

Town of Blacksburg

FY 2014/2015-2018/2019

Adopted Capital Improvement Program

Town Council

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Krisha Chachra, Vice Mayor
Susan Anderson
John Bush
Leslie Hager-Smith
Cecile Newcomb
Michael Sutphin

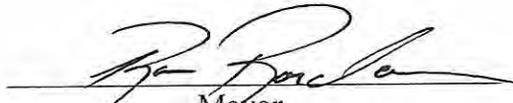
Town Administrative Staff

Town Manager - Marc A. Verniel
Deputy Town Manager - Steven Ross
Town Attorney - Lawrence Spencer
Town Clerk - Donna W. Boone-Caldwell
Director of Financial Services - Susan H. Kaiser
Fire Chief - B. Keith Bolte
Director of Parks and Recreation - Dean B. Crane
Director of Planning and Building - Anne McClung
Director of Engineering and GIS - Adele P. Schirmer
Chief of Police – Anthony S. Wilson
Community Relations Manager - Heather D. Browning
Housing and Neighborhood Services - Matt Hanratty
Human Resources Manager - Elaine Gill
Director of Public Works - S. Kelly Mattingly
Rescue Chief - John O’Shea
Director of Technology - Steven B. Jones
Transit Director - Rebecca L. Martin

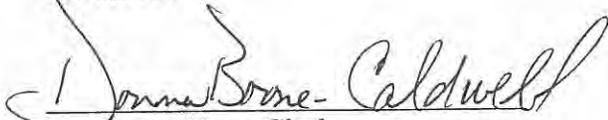
RESOLUTION 1-G-14

A RESOLUTION ADOPTING THE CAPITAL IMPROVEMENT
PROGRAM FOR FY2014/2015 THROUGH FY2018/2019

BE IT RESOLVED by the Council of the Town of Blacksburg that this Council adopts the Capital Improvement Program for Fiscal Years 2014/2015 through 2018/2019, a copy of which is on file in the Office of the Town Clerk.


Mayor

ATTEST:


Town Clerk

Date of Adoption: 

November 26, 2013

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 2015-2019 Capital Improvement Program (CIP)* for your review and consideration. We are pleased to present to you a plan that focuses on the Town's five-year capital needs and balances the maintenance of existing infrastructure and equipment while keeping pace with technology and new facility requests.

The CIP is a multi-year financial and project planning document that provides a macro view of the Town's financial position for the next five years while also establishing a plan for future capital needs. This year an emphasis was again placed on ensuring capital maintenance needs were adequately funded to support the Town's investment in existing infrastructure. Meeting regulatory requirements and completing existing community initiatives were additional factors emphasized in prioritizing funding for projects. In addition to continuing the practice of ensuring projects are fully funded, providing appropriate contingency funding for large projects was also emphasized in developing the CIP.

The Town has a long-standing financial commitment to funding the Equipment Depreciation Fund and Building Systems Fund. In addition, dedicated funding is included in the CIP for roof replacements, rental property maintenance, sidewalk replacement, and major facility repairs.

Examples of funding for some of the capital maintenance projects funded in the CIP are in the chart below:

Project	Amount
Sidewalk Replacement	\$385,000
Roof Replacement	\$155,000
Major Facility Repairs	\$500,000
Pump Station Upgrades	\$810,750
Rental Property Repairs	\$150,000

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 guide the development of a fiscally responsible CIP and Budget. Town Council approved changes in November 2010 to the Financial Policies based on best practices. A copy of the "Principles of Sound Financial Management" can be found in the *Financial Analysis and Tables* section of this document.

General Fund Overview

The FY 2015-2019 CIP includes over \$46 million in General Fund projects over a five-year period and \$8 million of VDOT Revenue Sharing Program projects. This includes \$6.7 million in FY 2014-2015 for the construction of a new Rescue Station and completion of Fire Station 3. The CIP also includes \$5 million for an addition to the Police Department Building and \$18 million for a new Recreation Complex. In addition, \$1.3 million in projects is related to maintaining existing buildings, systems, and infrastructure.

Construction of a new Rescue Station will begin in FY 2014-2015. Land was purchased and a schematic design was completed in 2013 with previously appropriated funds. Funding for the completion of the second floor of the Fire Department's Station 3 is also included in FY 2014-2015. Funding is included to upgrade the Rescue Squad's communications equipment for compatibility with other agencies as the transition to a county-wide 911 system progresses. As the cost of purchasing Fire and Rescue vehicles increases significantly each year the impact on the Equipment Depreciation Fund is a concern staff will evaluate with the Rescue Squad and the Fire Department over the next few years.

A space needs study for the Police Department was funded in FY 2013-2014. This study should determine if the existing building can be expanded or if other options need to be considered. Funding for an addition is included in FY 2016-2017; however, this funding is dependent on the results of the space needs study currently being conducted. Funding is also included for the Town's portion of the costs to establish the new Joint 911 Communication Center in partnership with Montgomery County, the Town of Christiansburg, and Virginia Tech.

In 2012, the Town completed a Recreation Facility Needs and Space Assessment Study. Based on this study the Town has identified the former Blacksburg High School on Patrick Henry Drive as an appropriate location for a new recreation center. The Town has expressed interest in acquiring the property to Montgomery County. The CIP also includes \$100,000 in FY 2015-2016 to prepare a basic grading plan, plant grass to stabilize the property, and prepare the property for temporary recreation activities. Funding for the design and the construction are included in FY 2016-2017 thru FY 2018-2019. A project of this magnitude requires a careful examination of revenue sources and debt limits to ensure appropriate funding is available. Staff will be examining those sources and limits in the next year.

The FY 2015-2019 CIP includes a number of projects that are matched with funds from the VDOT Revenue Sharing Program. The VDOT Program provides a 50% match for projects using local funds. Several projects are anticipated to be funded including Research Center Drive improvements, University City Boulevard repairs, sidewalk replacement, and roadway repaving. In FY 2018-2019, it is anticipated that the Town will use the VDOT Revenue Sharing Program to fund Draper Road improvements. The funding and the project design will be finalized after a public input process is completed. If funds are not received from the VDOT Revenue Sharing Program some projects may have to be deferred or another source of funding will have to be identified. Projects matched with funds from the VDOT Revenue Sharing Program are identified separately in the CIP.

Several Parks and Recreation projects are programmed in the CIP for the next five years. These projects include construction of restrooms at several Town parks and the replacement of several park shelters. In FY 2016-2017, \$285,000 in funding is included to replace the wooden Hand-in-Hand playground equipment with a modern playground structure that meets current playground standards. Funding for the parkland development at the Interchange property is also included.

In August 2010, Town Council received recommendations from the Stormwater Management Task Force. The Town's responsibilities for stormwater management as identified by the Task Force are regulatory compliance, operation and maintenance of storm drainage infrastructure and responsiveness to community concerns. The Town is currently monitoring and enforcing erosion and sediment control, enforcing the stormwater ordinance, and providing proactive operation and maintenance of stormwater infrastructure on an as needed basis while meeting National Pollution Discharge Elimination Systems (NPDES) requirements in the Town's Municipal Separate Storm Sewer System (MS-4) permit. The Task Force recommended that the Town adopt a Stormwater Fee to provide funding for stormwater management. The Task Force also recommended establishing a stakeholders group to further develop the stormwater management plan, engage and inform the community, and recommend spending priorities. The CIP includes approximately \$1,769,000 to meet the minimum requirements of the stormwater management program. An additional \$500,000 is included in the annual operating budget for maintenance of existing stormwater infrastructure. At this time, future funding of stormwater projects beyond the minimum requirements of the permit is unknown until a recommendation from the Stormwater Management Task Force is finalized and adopted by Council.

Revenue and Expenditure Assumptions

As a multi-year financial and project planning document, revenues and expenditures in the CIP are evaluated on a macro level to ensure adequate funding is available to maintain current service levels and fund the recommended capital projects. Today's rapidly changing economic environment creates great challenges for projecting future revenues and expenditures. The assumptions used to develop this CIP are not as conservative as in prior years but are still based on historical data and trends. As always revenues and expenditures will be closely monitored as the preparation of the Annual Budget nears to determine if adjustments need to be made in the operating budget to reflect economic changes.

The Town's revenue base is projected to grow slightly at 2.0% to 7.0% annually for the next five years. This takes into consideration the revenue growth experienced in prior years and the current and projected economic environment. While projecting revenues for the five-year CIP period, a thorough analysis of revenues budgeted in prior years against those actually received indicates that the strength of the Town's revenues are in the category of Other Local Taxes. The Other Local Taxes category includes revenue sources such as meals taxes, sales taxes, and hotel taxes among others. This category is estimated to increase 6.0% from the actual revenue received in FY 2012-2013 due to the current economic environment in the nation, the state and the local area. Revenue estimates include the impact of lagging state funding for higher education and the impact on Virginia Tech. The financial impact on local businesses and industries reflects the economic condition and are also reflected in the revenue projections. A 10% increase in property values due to a reassessment in 2015 is included in the projections. It is anticipated that much of this projected increase will be the result of new development occurring over the next four years. No property tax increase is included in the projections for the five-year period.

While the Town is fortunate to rely on a very diverse revenue base, there is a need to constantly be aware of potential changes in taxing authority and changes in funding allocations generated by the General Assembly. Legislative proposals, such as a local share of state income taxes, distribution of telecommunication taxes, and continuing discussions on changes in the Business, Professional and Other Licenses (BPOL) tax, as well as the impact of the state budget, head the list of items that we will continue to monitor during the upcoming legislative session.

Operating expenditures are projected to increase 2.9% in FY 2014-2015 and a modest 3% each year thereafter. Part of the reason for this increase is the raising costs in employer provided benefits such as health insurance and retirement. When debt service and recurring capital are included, operating expenditures are anticipated to increase approximately 3.6%.

It is important to note the challenges the Town faces in funding the CIP while continuing to provide municipal services. Operating expenses have been held steady or reduced for the last several years making it difficult to make additional reductions without impacting service levels. The ability to fund capital projects within existing financial resources will be the focus of Town management over the next few years.

Financing the Capital Improvement Program

The *Recommended FY 2015-2019 Capital Improvement Program* relies upon General Fund revenue, water and sewer funds, general obligation bonds and Federal and State support for capital projects. Equipment replacement and infrastructure maintenance and replacement are funded with General Funds and/or Water and Sewer Funds while bond funds are used as a secondary funding source for projects that are more long-term in nature.

Water and Sewer Fund

This CIP assumes continued implementation of the recommendations of the Ernst and Young Utility Rate Study conducted in FY 1993. We are pleased to report that we continue to be on track in meeting the goals identified in the Utility Rate Study. These goals include the following:

- 1) To maintain the integrity of the existing water and sewer infrastructure;
- 2) To decrease the dependency on one-time availability fee revenues for the day-to-day operations of each fund with an ultimate goal of dedicating availability fees to support capital construction needs;
- 3) To maintain a reserve cash balance in the water and sewer enterprise fund at a target level of six months of expenditures for operations and maintenance of the systems and a renewal and replacement reserve of 3% of fixed assets; and,
- 4) To manage debt to maintain a ratio of net revenues (revenues less operations not including depreciation) of at least 1.15 times debt service requirements.

It should be noted that any increase in the wholesale water and sewer rates by either the Water Authority or Sanitation Authority are not reflected in these funding recommendations. If such increase in wholesale rates should occur, in all likelihood a commensurate increase would be reflected in the Town's water and sewer rates.

Finally, we will continue to carefully monitor the fiscal condition of the Water and Sewer Fund particularly as it relates to the recommendations of the Utility Rate Study.

Blacksburg Transit

Recommended capital projects to support the Transit system include: vehicle replacement, bus replacement/expansion; purchase of replacement and expansion items for the radio program, shelter and amenities program, and technology program; purchase of on-going maintenance items including spare parts and engine; and construction funding for the multi-modal facility. Funding for the construction of the Multi-Modal Transit Facility on the Virginia Tech campus will come from Federal and State grants in addition to Virginia Tech. Transit is financed from multiple funding sources including Federal and State grants, the Town of

Christiansburg, Virginia Tech, and fare box revenue. No Town of Blacksburg generated tax revenue is used to support Transit operations. Projects that are not funded are generally deferred until the following year when grant funds will be requested again.

Summary

In conclusion, we are pleased to present to you for your consideration the *Recommended FY 2015-2019 Capital Improvement Program* that is both fiscally responsible and responsive to the community. We will continue to examine and monitor our financial assumptions and review changing conditions to ensure this capital improvement program reflects the Town's Mission, Values, and Action Strategies from our Comprehensive Plan.

During the next several weeks, we look forward to reviewing and discussing these recommendations with you. Below is the schedule for Town Council's review and consideration of the *Recommended FY 2015-2019 Capital Improvement Program*:

2013

December 3 Town Council Work Session

December 10 Town Council Schedules Public Hearing on CIP for January 14, 2014

December 17 Planning Commission reviews the CIP

2014

January 14 Town Council Public Hearing on *Recommended CIP*

January 28 Town Council consideration of resolution approving *Recommended FY 2015-2019 Capital Improvement Program*

Finally, special thanks to the Leadership Team, consisting of Steve Ross, Deputy Town Manager; Matt Hanratty, Housing and Neighborhood Services Manager; Elaine Gill, Human Resources Manager; Dean Crane, Director of Parks and Recreation; Anne McClung, Director of Planning and Building; Adele Schirmer, Director of Engineering and GIS; Kim Crannis, Chief of Police; Heather Browning, Community Relations Manager; Kelly Mattingly, Director of Public Works; Steve Jones, Director of Technology; Rebecca Martin, Transit Director; Lawrence Spencer, Town Attorney; and Donna Boone-Caldwell, Town Clerk. Also, the assistance of Matt Hornby, Assistant Finance Director, Ann Vaught, MIS Manager, Terri Self, MIS Application Technician, and Rebekah Corso, Executive Assistant is appreciated. Special recognition and heartfelt appreciation needs to go to Susan Kaiser, Finance Director, for all the time and effort she put into preparing the *FY 2015-2019 Capital Improvement Program* while at the same time preparing for the Town's annual audit.

Thank you for your careful review and consideration of this document. We are prepared to work with you as you review these recommendations and create a five-year Capital Improvement Program for the community. Thank you for your continued support as we pursue capital improvements that will enhance the quality of life for citizens of Blacksburg.

Sincerely,



Marc A. Verniel
Town Manager

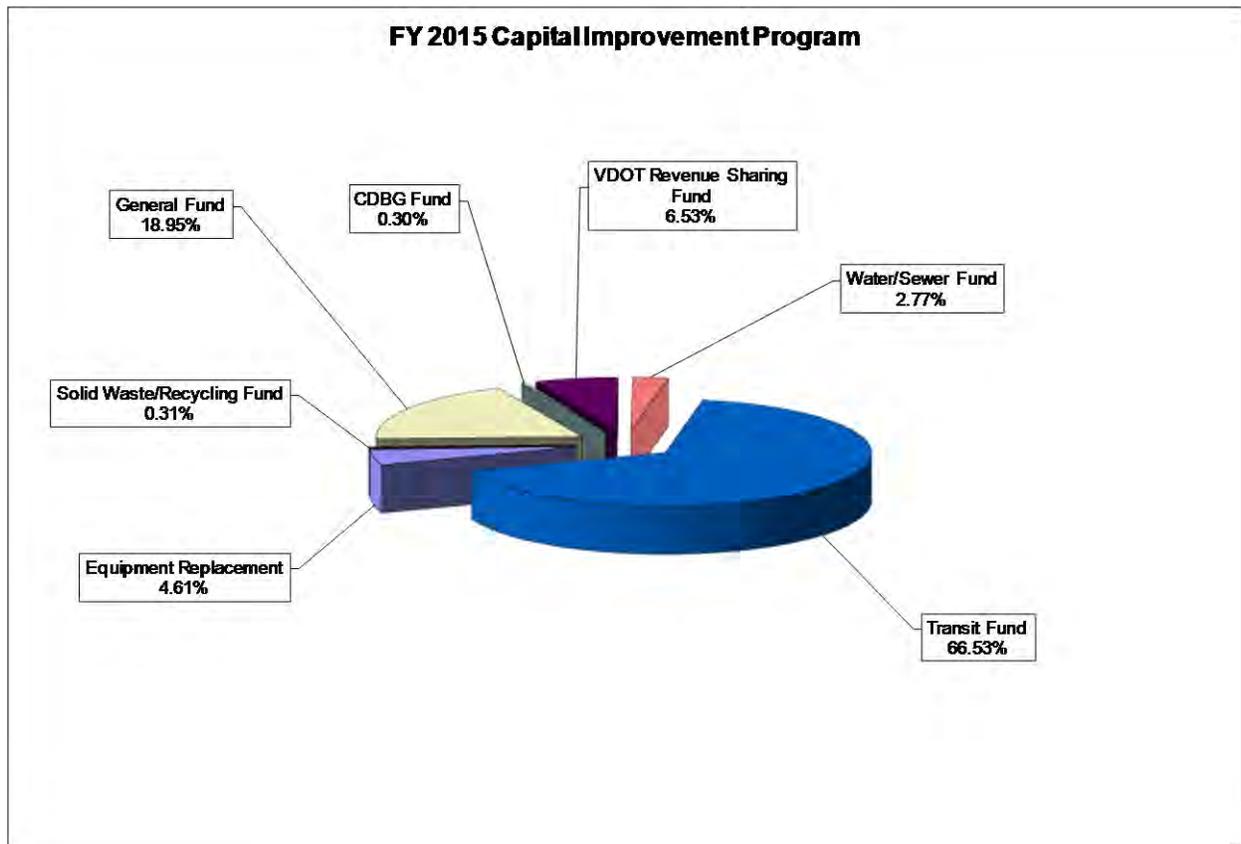
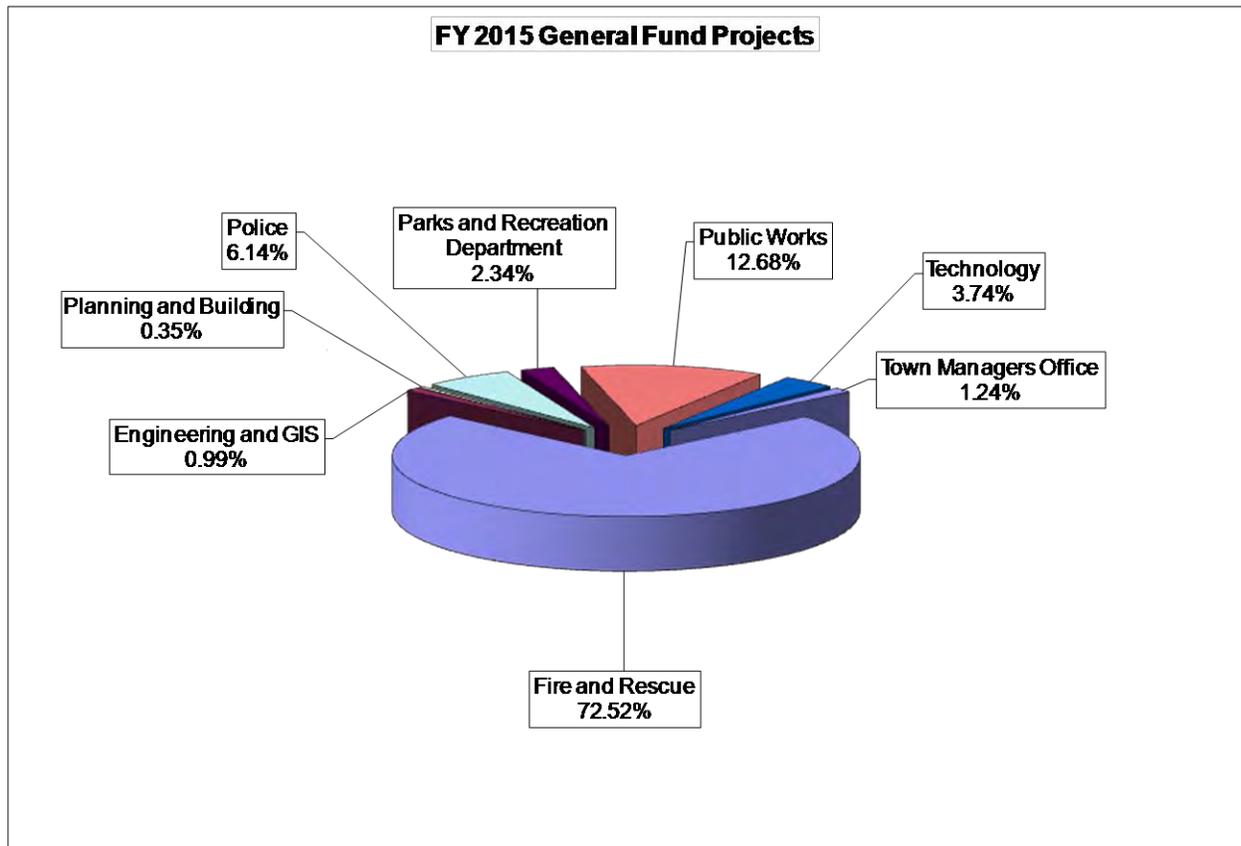


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CAPITAL IMPROVEMENT PROGRAMMING

Introduction

Capital Improvement Programming is a method of planning for the effective and efficient provision of public facilities, infrastructure improvements, major maintenance requirements, and acquisition of property and equipment. The first year of the *Recommended Capital Improvement Program* represents the Town Manager's recommendations to the Town Council as the Capital Improvement Program (CIP) budget.

A five-year CIP allows the Town Council and the citizenry an opportunity to view both the short-term capital construction and the acquisition needs of the Town of Blacksburg. Viewing the short-term needs enables the Town to better plan its financing strategy for capital improvements and annual operating requirements.

Organization of the CIP

The Town of Blacksburg's CIP is composed of three major sections. The introduction on Capital Improvement Programming provides an overview of why and how the Town's CIP is developed together with the benefits of Capital Improvement Programming.

The Financial Analysis section includes the Principles of Sound Financial Management, charts outlining five-year financial trend indicators, historical revenue and expenditure data, and projected revenue, expenditure and debt service for the CIP period.

Finally, Project Details are included by departmental areas for those projects recommended for funding in the CIP period. The General Fund departmental areas include Financial Services, Fire and Rescue, Planning and Building, Engineering and GIS, Parks and Recreation, Police, Public Works, Technology and Town Manager's Office. The other self-supporting funds include the Equipment Replacement, Transit, and Water and Sewer.

Legal Basis for Capital Improvement Programming

The Town of Blacksburg is required to prepare a five-year CIP pursuant to Article VI, Section 6.05 of the *Town of Blacksburg Charter*.

§6.05 Capital Program

- A. Submission to Council. The Manager shall prepare and submit to the Council a five-year capital program at least three months prior to the final date for submission of the budget.
- B. Contents. The capital program shall include:
 - A clear general summary of its contents;
 - A list of all capital improvements which are proposed to be undertaken during the five fiscal years next ensuing, with appropriate supporting information as to the necessity for such improvements;
 - Cost estimates, method of financing and recommended time schedules for each such improvement; and
 - The estimated annual cost of operating and maintaining the facilities to be constructed or acquired.

The above information may be revised and extended each year with regard to capital improvements still pending or in process of construction or acquisition.

Basis for Budgeting

The first year of the CIP represents the Recommended Capital Improvement Budget for that year. Following adoption by the Town Council, the first year of the CIP should be viewed as the capital budget. Any changes to the capital budget during Council consideration of the fiscal year budget also alters the first year of the CIP. Alterations to the CIP during deliberations on the annual budget should be dependent primarily upon changed circumstances from when the CIP was originally adopted. The CIP is a proposed expenditure plan; the budget adopted by the Town Council provides the legal authorization to actually expend Town funds.

The CIP is based on a fiscal year calendar. The fiscal year calendar for the Town of Blacksburg begins July 1 and ends June 30.

Benefits of Capital Improvement Programming

The principal benefit of Capital Improvement Programming is that it requires the Town to address the problem of balancing capital improvements with available financing. This process contributes to a responsible fiscal policy. Other benefits of Capital Improvement Programming include:

- Fostering a sound and stable financial program over a five-year period given a set of revenue and expenditure assumptions based on current economic trends;
- Coordinating various Town improvements so that informed decisions can be made and joint programs initiated among Town departments in an effort to avoid duplication;
- Enabling private businesses and citizens to have some assurances as to when certain public improvements will be undertaken so they can plan more efficiently and effectively;
- Assisting in the implementation of the *Comprehensive Plan* over an extended period of time;
- Focusing on the goals and needs of the community through the provision of new facilities and infrastructure improvements;
- Evaluating annually the infrastructure needs of the Town to provide for the public health and safety of the citizens of the Town; and
- Providing a logical process for assigning priorities to the various projects based on their overall importance to the Town.

These and other advantages make the CIP a practical necessity for the Town.

Definition of a Capital Improvement Project

Capital improvements are major construction or acquisition efforts, which are non-reoccurring in nature. Generally, capital improvement projects are defined as follows:

- Studies pertaining to capital improvements that require the employment of outside professional consultants at a cost in excess of \$15,000;

- Construction of buildings or facilities; including design, engineering, and other preconstruction costs with an estimated cost in excess of \$15,000;
- Purchase of major equipment and vehicles, other than office and data processing equipment, valued in excess of \$15,000 with a life expectancy of five years or more;
- Major equipment or furnishings required for the utilization of new or renovated buildings; or,
- Major acquisition of land or other property.

Capital Improvement Program Submission Process

In September of each year, the Director of Finance and the Town Manager distribute instructions to Department Heads requesting projects for consideration for the next five-year CIP period (copy follows this section). Each Department Head is responsible for reviewing the most recent CIP to determine the funding necessary for projects that are currently programmed in the CIP and the Action Strategies identified in the *Comprehensive Plan* (copy follows this section). Based on this review and a review of new requirements for capital improvements for the next five-year period, the Department Head completes a Cost Estimate Detail Form and a Project Detail Sheet.

Cost Estimate Detail Form

Department Heads are also asked to complete a Cost Estimate Detail Form to determine the estimated cost of a project. This form outlines the costs of planning and design, land acquisition, construction, and the purchase of equipment. All costs are inflated to reflect the estimated cost in the year which the project and/or purchase is anticipated to be funded.

Planning and design consists of all costs for the planning and design of a project including both preliminary and final design and engineering.

Land acquisition costs include appraisals, legal fees, survey, recordation, and property costs.

Equipment costs may include the purchase of a new or replacement vehicle or furniture and fixtures to furnish a new or renovated building. The cost of equipment should exceed \$15,000 to be considered as a Capital Improvement Project.

Department Heads are also asked to identify the source of their estimate and possible funding options or alternatives.

Project Detail Sheet

Finally, Department Heads are asked to complete a Project Detail Sheet to summarize the project which is requested for consideration. If a project is ultimately recommended by the Town Manager to the Planning Commission and Town Council for consideration, this form is used for presenting information on the project to Town Council, the Planning Commission, and the public. Included on the Project Detail Sheet is the planned source of funding for the project together with the fiscal year in which the project is expected to be funded. Also included on the Project Detail Sheet are pertinent data such as the Department administering the project, the project title, project location, project status, the project's relationship to the Town's Mission and Values and the Town Council Strategic Goals, and a description for each project.

Capital Improvement Program Schedule

September	Deputy Town Manager and Finance Director send instructions to Department Heads
October	CIP submissions due to Deputy Town Manager
October	Town Manager's Office reviews submissions
Late October	Town Manager and the Leadership Team formulate Recommended CIP
Late November	Recommended CIP forwarded to Planning Commission and Town Council
Early December	Town Council and Planning Commission Sessions on Recommended CIP
Mid-January	Town Council Public Hearing on Recommended CIP
Late January	Town Council Adoption of CIP

Conclusion

The CIP is a document dedicated to a process designed to identify both the capital improvement needs and priorities of the Town over a five-year period in concert with projected funding levels and the Action Strategies included in the *Comprehensive Plan*. Actual programming of projects is dependent upon the fiscal resources available. Funding constraints may preempt the actual inclusion of projects in the current CIP but may be listed as priorities for funding should resources become available.

The Project Detail Sheets on the following pages reflect those projects recommended to be funded in the *Fiscal Years 2015-2019 Capital Improvement Program*.

TO: Department Heads
Larry Spencer, Town Attorney
Donna Boone-Caldwell, Town Clerk
Heather Browning, Community Relations Officer
Elaine Gill, Human Resource Manager
Matt Hanratty, Housing and Community Development Manager
Keith Bolte, Fire Chief
John O'Shea, Rescue Chief

FROM: Steve Ross, Deputy Town Manager
Susan Kaiser, Director of Finance

SUBJECT: FY 2015-2019 Capital Improvement Program

DATE: August 27, 2013

Once again, it is time for the Capital Improvement Program (CIP) process.

Status of Current CIP Projects

A status of current CIP projects will be needed with a brief 1 or 2 sentence description. The status should be completed on the spreadsheet located on the "O" drive at O:\CIP 2014/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 1 or 2 sentence description. The status of current CIP projects is due September 13, 2013.

Calendar

September 13 th	Status of current CIP projects due.
September 25 th	Deadline for submission of CIP project proposals.
October 1 st -October 11 th	Meeting with individual departments and Town Manager to discuss CIP projects.
November 1 st	Town Manager Finalizes <i>Recommended CIP</i> .
November 26 th	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.
- Look at last year's Adopted CIP to see what projects were funded and in what year. Last year's projects are on the "O drive" at O:\CIP FY2015\FY14 Adopted Projects. All projects from years FY2015 forward must be resubmitted. **No projects are automatically carried over.**

- **Previous CIP Projects** – *If submitting a project included in last year’s CIP please use the project detail form located on the “O drive” at O:\CIP FY2015\FY14 Adopted Projects. Make appropriate changes to years, dollar amounts, and narratives. Do not use a project detail form you may have saved on another drive or folder. Doing this reduces the amount of editing.*
- Do not submit all projects in the first year.
- Be realistic of funding and workload constraints.
- Future years should include **inflationary** impacts.
- The instructions and forms are being sent by email and are also located at O:\CIP FY2015.
- A copy of each project recommended should be put on the “O drive” at O:\CIP FY2015\Submitted Projects\E-mail Ann Vaught @ avaught@blacksburg.gov when all Project Detail Forms have been put on the “O drive”.
- 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.
- Remember to include the operating impact of capital projects so they can be considered during the operating budget process. Most projects should have an operating impact.

Guidelines and Forms

The FY2015-2019 guidelines and forms for use in preparing CIP projects are available on the “O drive” at O:\CIP FY2015\Forms:

- **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 format on the O Drive, as this form will be published in the document submitted to Town Council.

- **Cost Estimate Detail Form: This information is required.** The form includes an inflation factor, source of estimate and possible funding options or funding alternatives. If this form is not submitted, please submit supporting information to justify the project cost estimate.
- **Estimated New Annual Operating Costs:** This form includes the impact of a new project relative to additional positions, related personnel costs, and operating costs including capital equipment. This form only needs to be completed if there are new operating costs associated with the project or the project will reduce operating costs. **Most capital projects will impact operating costs, so this form is required.** It will be given to departments as part of the operating budget.

Deadline for Submissions

The deadline for submissions of proposed projects is **Wednesday, September 25, 2013**. Please provide **five (5) copies** to Ann Vaught as well as the copy on the O drive.

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.

Department: Department requesting funding for the project.

Project Title: Brief title of the proposed project.

Project Location: Street address or general location of proposed project. If the location is not known, this should say "To Be Determined".

Project Status: Indicate whether the project is a new project or currently in progress. 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.

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, 2014/2015-2018/2019, and Future Years must add to the Total Project Estimate.

Prior Allocation: Can be found on most recent project printouts included with the instructions.

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department:

Project Title:

Project Location:

Project Status:

Description and Justification:

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Total									

**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 1,2,3 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:

Project Submitted: _____

Estimated New Annual Operating Expenses (if any):

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

Departments Impacted:

Explanation:

Financial Analysis

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

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

Town of Blacksburg

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.
 - d. **Revenue related to the lease of the Armory** should be dedicated to capital improvement projects related to parks and recreation enhancements with emphasis on youth programming.

3. The Town Manager should forward to the Town Council a quarterly financial report identifying meaningful trends in 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 and Rescue vehicles, should be funded through the Equipment Replacement Fund.
6. 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.
7. General Fund *Undesignated Fund Balance* should be 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 over a five year period ending with Fiscal Year 2016. *Bond Proceeds should be deposited and budgeted into the Capital Project Funds.*
8. 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.
9. Tax-supported debt service should be generally targeted at 10% and not exceed 15% of operating expenditures exclusive of capital improvements.
10. The ten-year principal payout ratio for tax-supported debt at the end of the projected five-year Capital Improvement Program should have a target of 55% or better.
11. 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.
12. 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.
13. 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.
14. 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.

15. The Town operates three enterprise funds: Water and Sewer, Solid Waste and Recycling, and Transit. Enterprise Funds should be self-sufficient. Solid Waste and Recycling 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.
16. 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 1.15x debt service requirements without taking new availability revenues into account.
17. 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.
18. 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**

INDICATOR 1

Revenues Per Capita

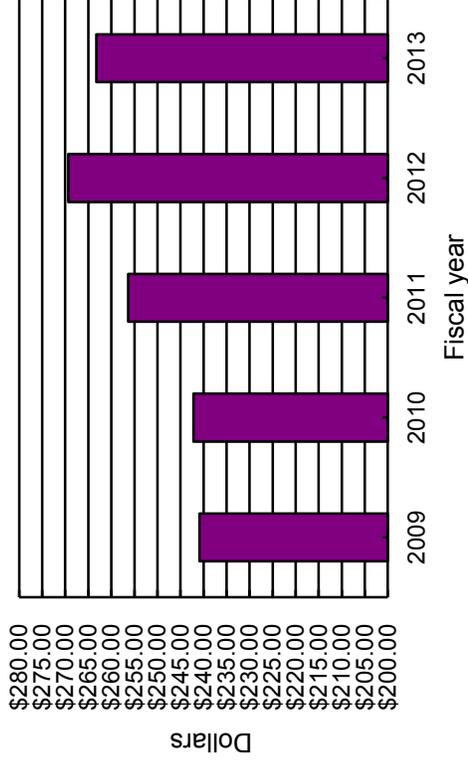
Warning Trend:

Decreasing net operating revenues per capita (constant dollars)

Formula:

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

Revenues Per Capita



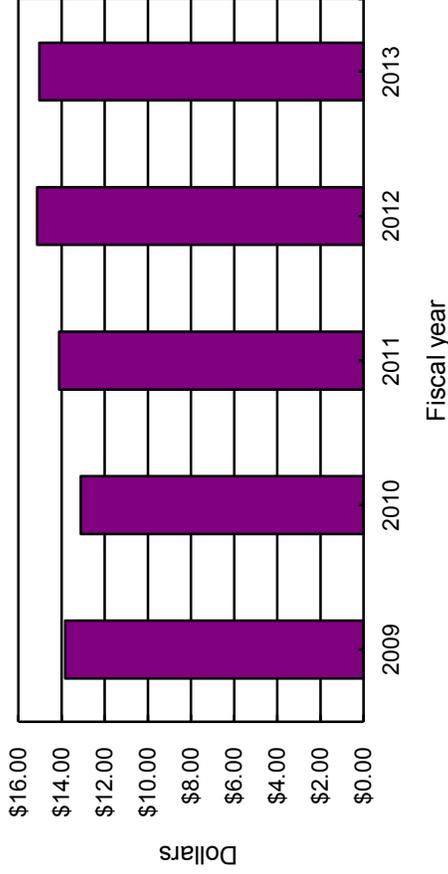
Fiscal year:	2009	2010	2011	2012	2013
Net operating revenues and transfers	\$22,984,513	\$23,692,114	\$24,563,028	\$26,242,325	\$26,301,609
Consumer price index	211.7	215.4	224.8	228.7	234.4
Net operating revenues & transfers (constant dollars)	\$10,857,115	\$10,999,124	\$10,926,614	\$11,474,563	\$11,220,823
Current population	45,077	45,419	42,620	42,600	42,620
Net operating revenues & transfers per capita (constant dollars)	\$240.86	\$242.17	\$256.37	\$269.36	\$263.28

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 2009 thru FY 2011 shows the slow recovery in the local economy especially in the economic sensitive areas such as meals taxes and sales taxes and the reduction of state funding. In FY 2012, the per capita amount increase is mainly due to the full year of the 2011 reassessment and the recovery of economic sensitive taxes.

INDICATOR 2

Sales Tax Revenues Per Capita



Sales Tax Revenues Per Capita

Warning Trend:

Decreasing net sales tax revenues per capita (constant dollars)

Formula:

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

	2009	2010	2011	2012	2013
Fiscal year:					
Net Sales Tax Revenues	\$1,320,179	\$1,281,874	\$1,351,783	\$1,474,606	\$1,501,360
Consumer price index	211.7	215.4	224.8	228.7	234.4
Net Sales Tax Revenues (constant dollars)	\$623,608	\$595,113	\$601,327	\$644,777	\$640,512
Current population	45,077	45,419	42,620	42,600	42,620
Net Sales Tax Revenues per Capita (constant dollars)	\$13.83	\$13.10	\$14.11	\$15.14	\$15.03

Analysis:

Sales Tax is a major revenue category for the Town and is an indicator of the strength of the regional economy. FY 2009 began to reflect the slow recovery in the overall economy. FY 2011 and FY 2012 shows an increase in sales tax revenue. FY 2013 decrease is due to a decrease in the percentage of school age children from FY 2012.

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 FY2012 and 27.01% in FY 2013. In FY 2014, the new state definition will cause the Town's share to decrease to 23.62%.

INDICATOR 3

Meals Tax Revenues Per Capita

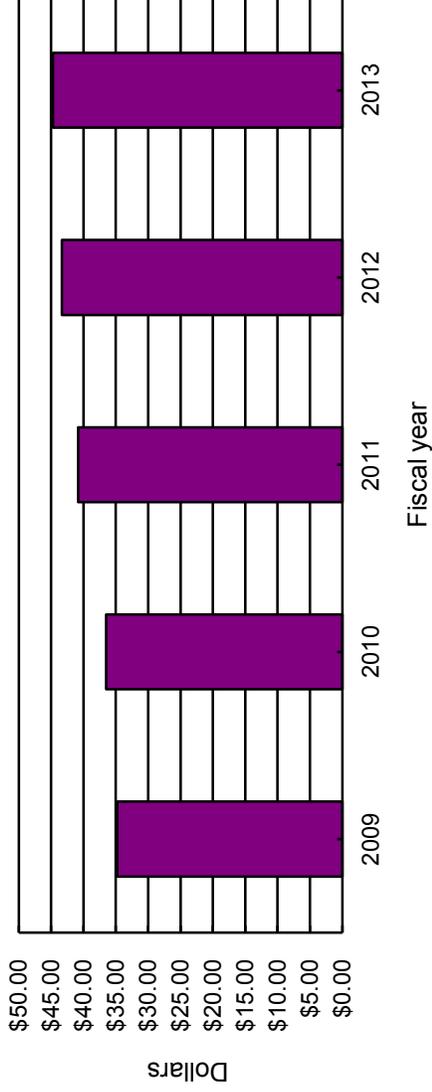
Meals Tax Revenues Per Capita

Warning Trend:

Decreasing meals tax revenues per capita (constant dollars)

Formula:

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



Fiscal year:	2009	2010	2011	2012	2013
Meals Tax Revenues	\$3,316,681	\$3,569,887	\$3,910,019	\$4,221,389	\$4,464,685
Consumer price index	211.7	215.4	224.8	228.7	234.4
Meals Tax Revenues (constant dollars)	\$1,566,689	\$1,657,329	\$1,739,332	\$1,845,819	\$1,904,729
Current population	45,077	45,419	42,620	42,600	42,620
Meals Tax Revenues (constant dollars)	\$34.76	\$36.49	\$40.81	\$43.33	\$44.69

Analysis:

The increase in FY 2010 thru FY 2013 is mainly due to new restaurants that have opened during the last few years and the stabilization of the restaurant industry. The increase in the per capita amount in FY 2011 and later is mainly due to the use of the 2010 census population.

INDICATOR 4

Intergovernmental Revenues

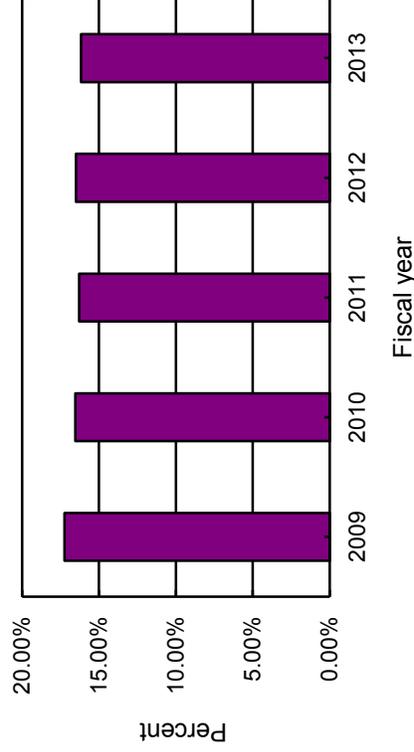
Intergovernmental Revenues

Warning Trend:

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

Formula:

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



	2009	2010	2011	2012	2013
Fiscal year:					
Net Intergovernmental Revenues (less CDBG)	\$3,963,311	\$3,915,815	\$3,999,646	\$4,330,823	\$4,251,467
Gross Operating Revenues	\$22,984,513	\$23,692,114	\$24,563,028	\$26,242,325	\$26,301,609
Intergovernmental Revenues as a Percent of Gross Operating Revenues	17.24%	16.53%	16.28%	16.50%	16.16%

Analysis:

Intergovernmental revenues over the five-year period have been decreasing which corresponds with the State budget problems. In FY 2009 and FY 2010, the decrease in revenues is due to the loss of ABC and Wine Tax funds and a reduction in the Police Reimbursement (HB599) funding from the state. In FY 2010, the decrease in revenues is due to the reduction again in the Police Reimbursement (HB599) funding from the state. This area of revenue bears close scrutiny given the current economy and the state's budget problems. The slight decrease in FY 2013 is due to FEMA funds and other small grants not repeated from FY 2012.

INDICATOR 5

Property Tax Revenues

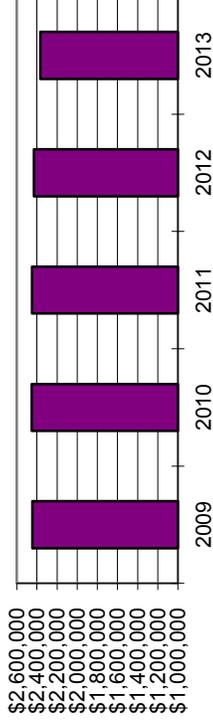
Property Tax Revenues

Warning Trend:

Decline in property tax revenues (constant dollars)

Formula:

Property Tax Revenues
(constant dollars)



Fiscal year:	2009	2010	2011	2012	2013
Property Tax Revenues	\$5,180,138	\$5,284,193	\$5,501,238	\$5,554,280	\$5,550,007
Consumer Price Index	211.7	215.4	224.8	228.7	234.4
CPI Converted to Decimal	2.117	2.154	2.248	2.287	2.344
Net Property Tax Revenues (constant dollars)	\$2,446,924	\$2,453,200	\$2,447,170	\$2,428,631	\$2,367,750

Analysis:

Trends indicate that real estate tax revenues were generally stronger than inflation. The reassessment is done every four years. The increase in 2010 is due to a few supplemental assessments for new projects completed in FY 2009. The increase in 2011 in gross property tax revenue is due to the impact of the 2011 reassessment on the first half 2011 payment. The decrease in constant dollar property tax revenue reflects that the reassessment was lower than inflation. The decrease in FY 2013 is due to lower Public Service assessments.

INDICATOR 6

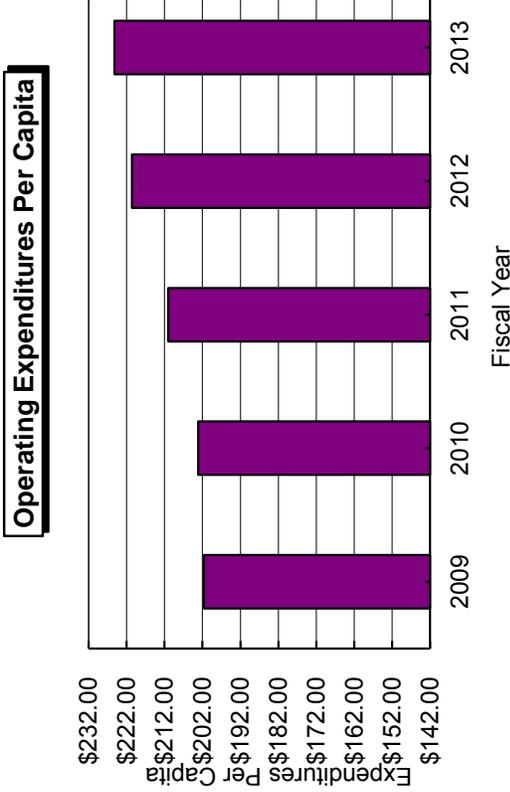
Operating Expenditures Per Capita

Warning Trend:

Increasing net operating expenditures per capita (constant dollars)

Formula:

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



Fiscal year:	2009	2010	2011	2012	2013
Net operating expenditures	\$19,237,777	\$19,869,796	\$20,218,469	\$21,404,690	\$22,500,952
Consumer price index	211.7	215.4	224.8	227.8	234.4
Net operating expenditures (constant dollars)	\$9,087,282	\$9,224,604	\$8,993,981	\$9,396,264	\$9,599,382
Estimated population	45,077	45,419	42,620	42,600	42,620
Net operating expenditures per capita (constant dollars)	\$201.59	\$203.10	\$211.03	\$220.57	\$225.23

Analysis:

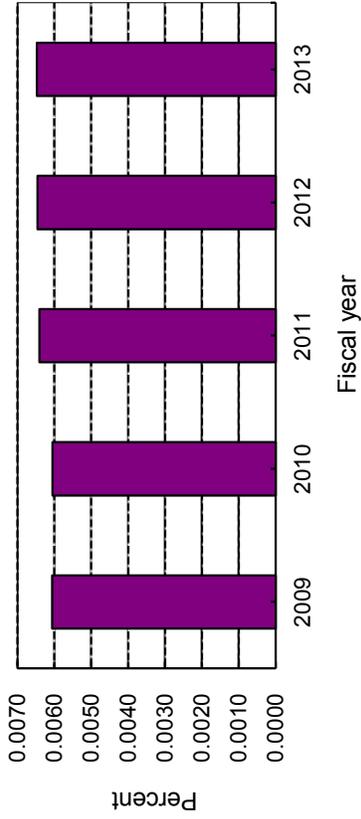
Per Capita Expenditures per 2012 Comparative Cost Report:
(No Education or Welfare)

Montgomery County	\$335	Blacksburg	\$555
Roanoke County	\$856	Christiansburg	\$1,038
Roanoke City	\$1,152	Wytheville	\$1,497
Radford City	\$950	Leesburg	\$958
		Herndon	\$1,307
		Vinton	\$814
		Pulaski	\$817

INDICATOR 7

Employees Per Capita

Number of Full-Time Municipal Employees Per Capita



Warning Trend:
Increasing number of municipal employees per capita.

Formula:

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

	2009	2010	2011	2012	2013
Fiscal year:					
Number of full-time municipal employees	273	275	273	275	276
Current population	45,077	45,419	42,620	42,600	42,620
Number of full-time municipal employees per capita	0.0061	0.0061	0.0064	0.0065	0.0065

Analysis:

This indicator compares the number of full-time employees to the population. The number of employees has increased slightly each year over the five-year period. This reflects the new positions added to more 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) and Water and Sewer Funds. The 2009 thru 2013 number of employees does not include the six to nine vacant positions that were frozen due to the economic environment. The increase in the per capita amount is mainly due to the use of the 2010 census population.

INDICATOR 8

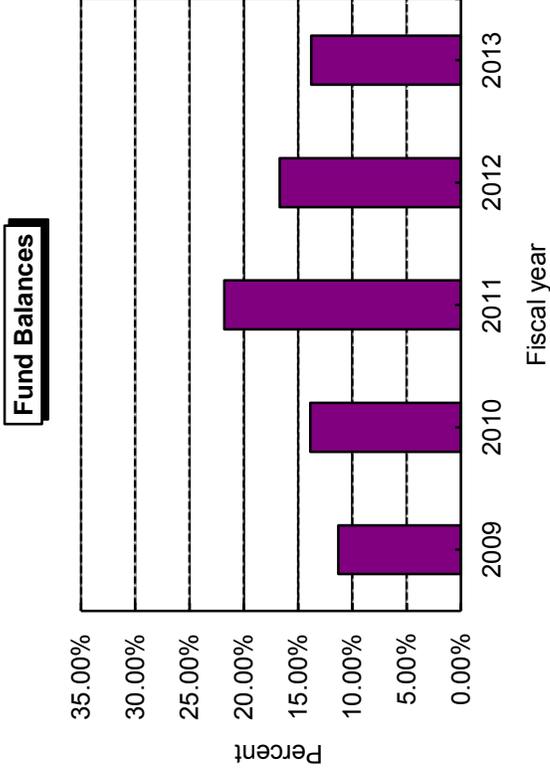
Fund Balances

Warning Trend:

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

Formula:

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



Fiscal year:	2009	2010	2011	2012	2013
Unreserved General Fund Balance	\$2,366,488	\$3,007,206	\$4,828,469	\$3,701,112	\$3,397,008
Net Operating Expenditures with debt svc	\$20,931,432	\$21,669,537	\$22,154,730	\$22,176,891	\$24,650,777
Unreserved General Fund Balance as a Percentage of Net Operating Expenditures	11.31%	13.88%	21.79%	16.69%	13.78%

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 and the spending of bond proceeds.

INDICATOR 9

Long-term Debt

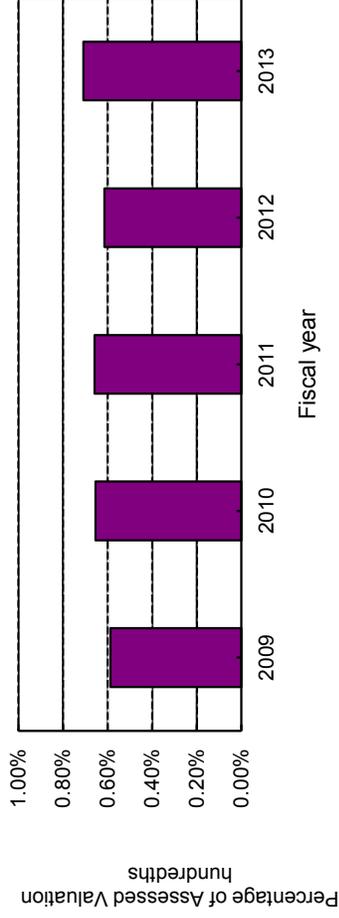
Warning Trend:

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



	2009	2010	2011	2012	2013
Fiscal year:					
Assessed Valuation	\$2,384,532,736	\$2,427,812,983	\$2,521,083,927	\$2,531,882,327	\$2,532,699,273
Net Direct Long-term General Fund Debt	\$14,011,267	\$15,902,642	\$16,623,950	\$15,568,492	\$17,953,098
Net Direct Long-term Debt as a Percentage of Assessed Valuation	0.59%	0.66%	0.66%	0.61%	0.71%

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.

INDICATOR 10

Capital Outlay

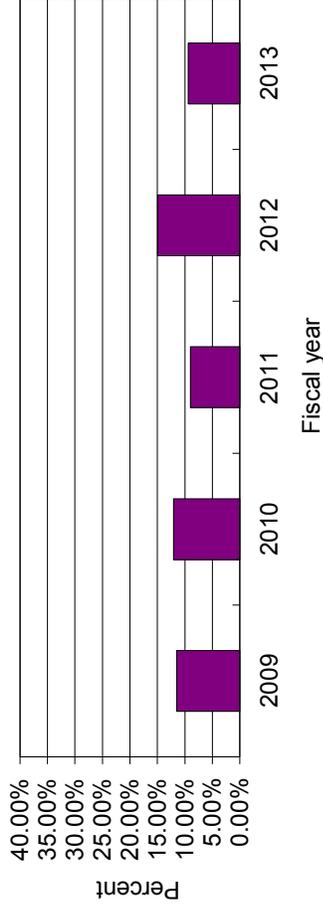
Capital Outlay

Warning Trend:

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

Formula:

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



	2009	2010	2011	2012	2013
Fiscal year:					
Total capital outlay	\$2,211,345	\$2,394,758	\$1,819,248	\$3,208,663	\$2,117,397
Operating expenditures and transfers	\$19,237,777	\$19,869,796	\$20,218,469	\$21,404,690	\$22,500,952
Capital outlay as a percentage of expenditures	11.49%	12.05%	9.00%	14.99%	9.41%

Analysis:

Yearly fluctuations in this indicator are the result of the timing and magnitude of different capital projects. The decreases in FY 2009 thru FY 2013 are due to the tight operating budget environment. The increase in FY 2012 is due to the purchase of a parking lot for \$650,000.

INDICATOR 11

Water and Sewer Rates

Fiscal Year	Water Rate	Water Fixed	Sewer Rate	Sewer Fixed
2010	\$3.58	\$2.55	\$4.77	\$2.58
2011	\$3.76	\$2.58	\$4.77	\$2.61
2012	\$3.92	\$2.62	\$4.65	\$2.65
2013	\$4.22	\$2.94	\$4.70	\$2.97
2014	\$4.55	\$3.03	\$4.85	\$3.06

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 increase in FY 2013 is consistent with the consultant's recommendation.

INDICATOR 12

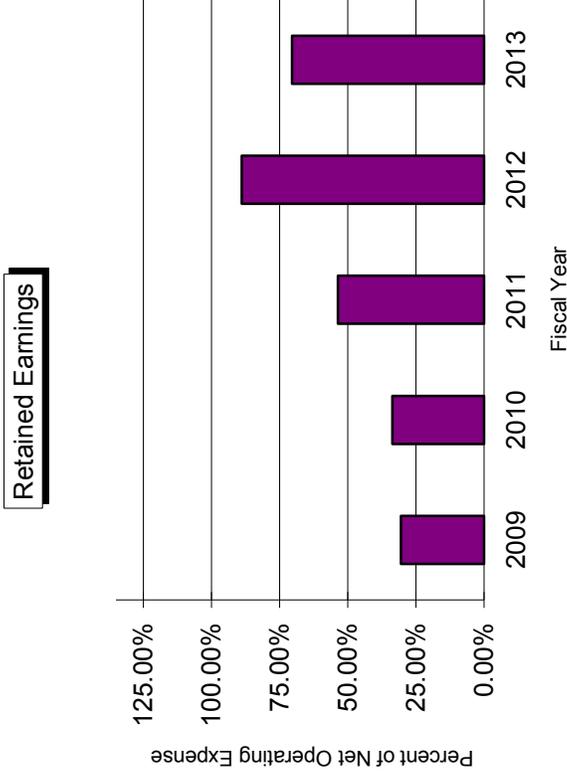
Retained Earnings - Water and Sewer Fund

Warning Trend:

Declining unreserved retained earnings as a percentage of net operating expenses

Formula:

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



Fiscal year:	2009	2010	2011	2012	2013
Unreserved Water & Sewer Fund Retained Earnings	\$2,103,297	\$2,398,136	\$3,707,925	\$6,126,898	\$5,336,884
Net Operating Expenses	\$6,886,318	\$7,120,758	\$6,920,905	\$6,895,989	\$7,580,841
Unreserved Water & Sewer Retained Earnings as a Percentage of Net Operating Expenses	30.54%	33.68%	53.58%	88.85%	70.40%

Analysis:

The declines in retained earnings are consistent with the comprehensive consultant study on water/sewer rates. The trend had been reversed as the higher rates are building retained earnings. The declines in retained earnings is due to capital projects and in line with the study to use retained earnings to fund capital projects.

INDICATOR 13

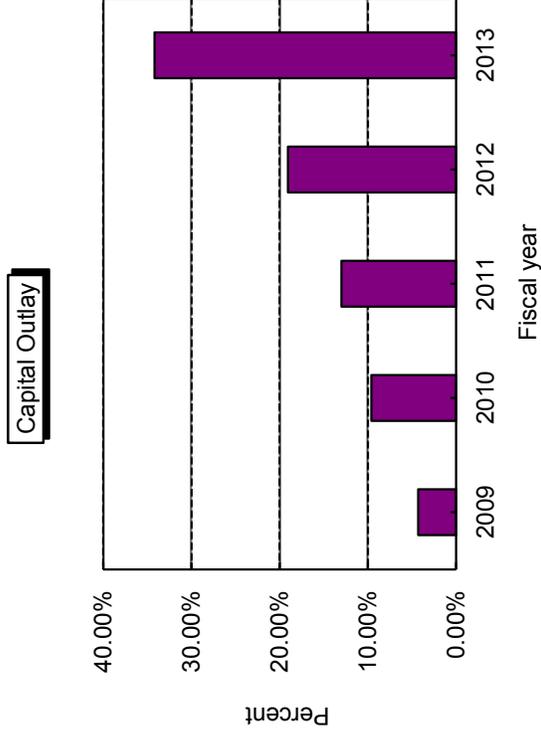
Capital Outlay - Water and Sewer Fund

Warning Trend:

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

Formula:

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



	2009	2010	2011	2012	2013
Fiscal year:					
Total capital outlay	\$295,517	\$683,335	\$900,041	\$1,315,017	\$2,590,167
Operating expenses and transfers	\$6,886,318	\$7,120,758	\$6,920,905	\$6,895,989	\$7,580,841
Capital outlay as a percentage of expenses and transfers	4.29%	9.60%	13.00%	19.07%	34.17%

Analysis:

Yearly fluctuations in this indicator are the result of the timing and magnitude of different capital projects. The decrease in FY 2019 and FY 2011 are due to the tight operating budget environment.

INDICATOR 14

Debt Service - Water and Sewer Fund

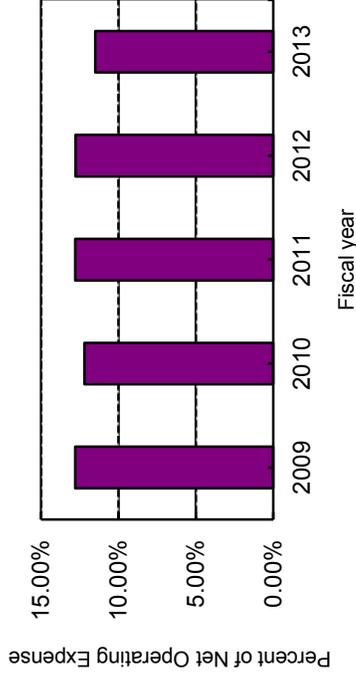
Debt Service as a Percent of Net Operating Expense

Warning Trend:

Increasing debt service as a percentage of net operating expenses.

Formula:

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



Fiscal year:	2009	2010	2011	2012	2013
Debt Service	\$881,065	\$869,245	\$884,940	\$881,378	\$871,159
Net Operating Expenses	\$6,886,318	\$7,120,758	\$6,920,905	\$6,895,989	\$7,580,841
Debt Service as a Percentage of Net Operating Expenses	12.79%	12.21%	12.79%	12.78%	11.49%

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.

History of Property Tax Revenue for the Last Six Fiscal Years

(TABLE 1)

Fiscal Year	Assessed Value			Current Levy				Total Revenue from Property Taxation ¹		
	Amount	Percent Change	Tax Rate	Amount	Percent Change	Current Collections	Total Collections as a % of Levy ¹	Amount	Percent Change	
2013	\$2,532,699,273	0.03%	\$0.22	\$5,542,953	0.06%	\$5,482,597	98.91%	\$5,550,007	(0.08)%	
2012	\$2,531,882,327	0.43%	\$0.22	\$5,539,489	2.24%	\$5,518,850	99.63%	\$5,554,280	0.96%	
2011	\$2,521,083,927 ²	3.59%	\$0.22	\$5,417,877	2.17%	\$5,471,930	101.00%	\$5,501,238	4.11%	
2010	\$2,433,753,736	2.06%	\$0.22	\$5,302,922	2.74%	\$5,247,220	99.65%	\$5,284,193	2.01%	
2009	\$2,384,532,736	3.37%	\$0.22	\$5,161,566	2.45%	\$4,987,516	100.36%	\$5,180,138	2.64%	
2008	\$2,306,898,182	2.13%	\$0.22	\$5,038,150	15.49%	\$5,019,408	100.18%	\$5,047,064	16.20%	

¹Includes current taxes, delinquent taxes, and interest on delinquent taxes.

²Increase due to reassessment of real property effective January 1, 2011.

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
2013	\$4,251,458	3.63%	\$12,570,552	2.27%	\$1,293,123	(11.13)%	\$2,672,989	(66.33)%	\$20,788,122	(19.39)%
2012	\$4,102,631	2.57%	\$12,291,633	6.35%	\$1,455,041	31.70%	\$7,939,843 ³	46.00%	\$25,789,145	16.69%
2011	\$3,999,646	0.50%	\$11,557,458	7.40%	\$1,104,793	(5.48)%	\$5,438,243 ²	(7.15)%	\$22,100,140	1.53%
2010	\$3,979,743	2.81%	\$10,761,456	2.11%	\$1,168,873	21.82%	\$5,857,252 ¹	142.54%	\$21,767,324	22.39%
2009	\$3,870,902	(21.58)%	\$10,539,332	5.01%	\$959,469	5.25%	\$2,414,925	(5.38)%	\$17,784,628	(3.54)%
2008	\$4,936,244	2.42%	\$10,036,206	7.58%	\$911,606	2.98%	\$2,552,370	(115.66)%	\$18,436,426	(11.40)%

¹Receipt of bond proceeds of \$1,080,140 for use in FY2011; receipt of refunding bond proceeds of \$1,335,750 and historic tax credit revenue of \$968,036.

²Receipt of bond proceeds of \$1,070,000 in FY 2011 for use in FY2011 and FY2012; receipt of refunding bond proceeds of \$1,715,535.

³Receipt of refunding bond proceeds of \$5,387,540 in FY2012.

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
2013	\$4,685,609	8.55%	\$8,550,794	6.29%	\$2,051,610	3.93%	\$6,538,242	8.88%	\$21,826,255	7.31%
2012	\$4,316,492	(7.12)%	\$8,044,580	4.75%	\$1,974,109	21.41%	\$6,004,980	2.15%	\$20,340,161	2.57%
2011	\$4,647,203	2.58%	\$7,679,669	(0.02)%	\$1,625,937	5.00%	\$5,878,483	0.55%	\$19,831,292	1.15%
2010	\$4,530,104	9.63%	\$7,681,206	7.81%	\$1,548,529	(5.68)%	\$5,846,175	(5.99)%	\$19,606,014	2.56%
2009	\$4,132,305	0.48%	\$7,124,781	4.77%	\$1,641,839	3.23%	\$6,218,485	(2.40)%	\$19,117,410	1.29%
2008	\$4,112,388	6.17%	\$6,800,368	8.60%	\$1,590,519	17.05%	\$6,371,590	5.93%	\$18,874,865	7.80%

¹ Includes Legislative, Executive, Finance, Technology, Legal, Judicial, Planning & Building Safety, and Engineering & GIS.
² Does 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 (assume \$50,000)
2014	\$2,577,249,600	\$0.22	\$5,669,979	98.5%	\$5,584,900	\$5,634,900
2015	\$2,707,983,400	\$0.22	\$5,957,563	98.5%	\$5,868,200	\$5,918,200
2016	\$2,824,457,800	\$0.22	\$6,213,807	98.5%	\$6,120,600	\$6,170,600
2017	\$2,852,930,300	\$0.22	\$6,276,447	98.5%	\$6,182,300	\$6,232,300
2018	\$2,881,679,700	\$0.22	\$6,339,695	98.5%	\$6,244,600	\$6,294,600
2019	\$2,896,169,800	\$0.22	\$6,371,574	98.5%	\$6,276,000	\$6,326,000

¹Reassessment occurs every four years. FY 2014 reflects a full year impact of a 4.0% reassessment in 2011. FY 2015 reflects one-half year impact of an estimated 10% reassessment in 2015. Assumes an annual growth of 1.0% for new construction for FY 2014 and FY 2016-2019. This is due to the national and local housing market environment.

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
2014	\$5,634,900	\$4,137,300	\$12,487,100	\$2,814,000	\$1,345,800	\$26,419,100
2015	\$5,918,200	\$4,240,733	\$13,159,607	\$3,017,728	\$1,968,728	\$28,304,996
2016	\$6,170,600	\$4,346,751	\$14,080,727	\$3,093,171	\$2,316,813	\$30,008,062
2017	\$6,232,300	\$4,455,420	\$14,842,599	\$3,170,500	\$3,366,625	\$32,067,444
2018	\$6,294,600	\$4,566,805	\$15,647,694	\$3,249,763	\$1,361,968	\$31,120,830
2019	\$6,326,000	\$4,680,975	\$16,498,532	\$3,331,007	\$498,855	\$31,335,369

¹ Reflects an average annual growth rate of 2.5%.

² Reflects an average annual growth rate of 2.6%.

³ Reflects an average annual growth rate of 7.1%.

⁴ Reflects an average annual growth rate of 3.7%.

⁵ Reflects an average annual growth rate of 3.7%.

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	
2014	\$4,775,285	-	\$8,629,177	-	\$2,141,738	-	\$7,056,959	-	\$22,603,159
2015	\$4,933,005	3.30%	\$8,875,109	2.85%	\$2,182,000	1.88%	\$7,278,358	3.14%	\$23,268,472
2016	\$5,006,463	1.49%	\$9,021,554	1.65%	\$2,205,160	1.65%	\$7,377,920	1.37%	\$23,611,097
2017	\$5,097,046	1.81%	\$9,202,917	2.01%	\$2,234,087	1.31%	\$7,453,886	1.03%	\$23,987,935
2018	\$5,173,893	1.51%	\$9,356,084	1.66%	\$2,258,331	1.09%	\$7,558,090	1.40%	\$24,346,398
2019	\$5,269,362	1.85%	\$9,547,225	2.04%	\$2,288,847	1.35%	\$7,691,019	1.76%	\$24,796,453

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

² Growth factors used for FY 2015 through FY 2018 average approximately 2.1%.

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	Energy Performance Lease	2005 Refunding Bond	2007 Bond Sale	2009 Bond Sale	2009 Refunding Bond	2011 Bond Sale and Refunding	2011C Refunding Bond	2012 Bond Sale	FY 2014/15 Bond Sale (8.4m) ¹	FY 2016/17 Bond Sale (5.8m) ¹	FY 2018/19 Bond Sale (18.5m) ¹	Total Debt Service
2014	--	\$65,216	\$163,024	\$226,373	\$221,464	\$161,842	\$363,645	\$574,843	\$237,681	--	--	--	\$2,014,088
2015	\$125,000	\$67,729	\$167,039	\$224,248	\$218,823	\$163,033	\$365,356	\$508,442	\$234,281	--	--	--	\$2,073,951
2016	--	\$70,352	\$166,328	\$224,452	\$220,654	\$160,074	\$264,661	\$522,390	\$235,881	\$737,500	--	--	\$2,602,292
2017	\$125,000	--	\$165,468	\$223,670	\$222,144	\$165,253	\$266,078	\$506,184	\$234,131	\$729,528	--	--	\$2,637,456
2018	--	--	--	\$224,486	\$223,163	\$165,998	\$262,377	\$524,776	\$237,381	\$713,583	\$529,762	--	\$2,881,526
2019	\$125,000	--	--	\$224,994	\$218,922	\$166,352	\$258,545	\$523,015	\$235,581	\$697,638	\$524,024	--	\$2,974,071

¹ Future bond sales reflect a projected 5.5% interest rate for 30 years.

General Fund Six-Year Projection of New Capital Financing Potential

(TABLE 8)

Fiscal Year	2014	2015	2016	2017	2018	2019
General Fund Item						
Projected Operating Revenue	\$26,419,100	\$28,304,996	\$30,008,062	\$32,067,444	\$31,120,830	\$31,335,369
New Bond Issue	\$317,500	\$8,052,000	\$320,000	\$5,839,000	--	\$18,625,000
Use of Fund Balance	--	\$1,325,000	\$312,000	--	--	--
Less Projected Operating Expenditures	\$22,603,159	\$23,268,472	\$23,611,097	\$23,987,935	\$24,346,398	\$24,796,453
Less Projected Reoccurring Capital Expenditures	\$2,034,481	\$2,257,173	\$2,257,173	\$2,257,173	\$2,257,173	\$2,257,173
Less Debt Service	\$2,014,088	\$2,073,951	\$2,639,792	\$2,674,491	\$3,036,244	\$3,125,106
Net Capital Financing Potential	\$84,872	\$10,082,400	\$2,132,000	\$8,986,845	\$1,481,015	\$19,781,637
Debt Service as % of Operating Expenditure	8.18%	8.18%	9.93%	9.91%	10.56%	10.71%
Total Debt as a Percentage of Assessed Value	0.64%	0.86%	0.77%	0.90%	0.83%	1.40%

Note: Ten-year principal payout ratio for 2023 is 38.2%

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
2013	\$4,144,489	5.73%	\$4,080,082	1.10%	\$475,423	14.42%	\$209,273	7.17%	\$8,909,267	3.98%
2012	\$3,919,948	4.84%	\$4,035,748	(1.90)%	\$415,513	49.79%	\$195,275	(8.16)%	\$8,568,484	2.67%
2011	\$3,738,974	2.84%	\$4,114,077	0.05%	\$277,402	(20.29)%	\$214,809	(25.52)%	\$8,345,262	0.46%
2010	\$3,635,598	2.91%	\$4,112,064	6.76%	\$348,016	(46.86)%	\$288,424	(55.41)%	\$8,384,102	(3.48)%
2009	\$3,532,901	2.60%	\$3,851,624	8.26%	\$654,883	(91.87)%	\$646,852	(9.65)%	\$8,686,260	(3.23)%
2008	\$3,443,467	8.21%	\$3,557,780	6.77%	\$1,256,505	76.18%	\$709,261	16.61%	\$8,967,013	14.44%

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 ¹ Operating		Total Operating Expenditures ²	
	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change	Amount	Percent Change
2013	\$551,873	17.69%	\$1,904,023	6.54%	\$570,831	3.89%	\$2,348,860	12.43%	\$2,204,478	10.14%	\$7,580,065	9.92%
2012	\$468,921	9.79%	\$1,787,077	3.46%	\$549,431	3.00%	\$2,089,089	(7.97)%	\$2,001,471	1.95%	\$6,895,989	(0.36)%
2011	\$427,100	2.31%	\$1,727,353	(1.23)%	\$533,451	2.90%	\$2,269,894	(7.95)%	\$1,963,107	0.80%	\$6,920,905	(2.92)%
2010	\$417,470	(6.83)%	\$1,748,797	1.29%	\$549,369	14.41%	\$2,465,804	6.64%	\$1,947,602	1.21%	\$7,129,042	3.45%
2009	\$448,055	(20.61)%	\$1,726,527	0.25%	\$480,172	(17.26)%	\$2,312,163	13.62%	\$1,924,230	6.21%	\$6,891,147	3.28%
2008	\$540,399	21.92%	\$1,722,287	14.39%	\$563,031	15.78%	\$2,034,980	(11.87)%	\$1,811,752	1.22%	\$6,672,449	2.63%

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				Fund Total	
	Service Charges	Fixed Charges	Other ¹	Total Water	Service Charges	Fixed Charges	Other ²	Total Sewer		
2014	\$4,108,949	\$351,970	\$226,600	\$4,687,519	\$3,917,412	\$322,035	\$10,800	\$4,250,247	\$191,700	\$9,129,466
2015	\$4,158,256	\$373,792	\$233,398	\$4,765,447	\$3,964,421	\$342,001	\$11,124	\$4,317,546	\$195,150	\$9,278,143
2016	\$4,208,155	\$382,016	\$240,400	\$4,830,571	\$4,011,994	\$349,525	\$11,458	\$4,372,977	\$198,704	\$9,402,251
2017	\$4,258,653	\$394,240	\$247,612	\$4,900,505	\$4,060,138	\$360,710	\$11,801	\$4,432,649	\$202,364	\$9,535,518
2018	\$4,309,757	\$406,856	\$255,040	\$4,971,653	\$4,108,860	\$372,253	\$12,155	\$4,493,268	\$206,134	\$9,671,055
2019	\$4,361,474	\$419,875	\$262,692	\$5,044,041	\$4,158,166	\$384,165	\$12,520	\$4,554,851	\$210,017	\$9,808,908

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

² Other Revenue includes Connection Charges and Line Extensions.

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

Six-Year Projection of Water and Sewer Operating Expenditures

(TABLE 12)

Fiscal Year	Payments to Water & Sanitation Authorities ¹	Operating Expenditures	Equipment Replacement	Total Operating Expenditures ²	Percent Change
2014	\$4,492,540	\$3,471,363	\$214,784	\$8,178,687	--
2015	\$4,546,450	\$3,530,066	\$263,034	\$8,339,550	1.97%
2016	\$4,601,008	\$3,583,002	\$263,034	\$8,447,044	1.29%
2017	\$4,656,220	\$3,642,347	\$263,034	\$8,561,601	1.36%
2018	\$4,712,095	\$3,702,892	\$263,034	\$8,678,021	1.36%
2019	\$4,768,640	\$3,764,668	\$263,034	\$8,796,342	1.36%

¹ Based on wholesale water rates of \$1.94 per 1,000 gallons purchased for FY 2014-2019. Based on wholesale sewer rates of \$1.67 per 1,000 gallons purchased for FY 2014-2019 and an annual growth of 1.2%.

² Does 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	2005 Refunding Bond	2007 Bond Sale (\$1,800,000)	2009 Refunding Bond	2011 Refunding Bond	2011C Refunding Bond	Total Debt Service	Net Revenue Coverage Of Debt Service
2014	\$54,341	\$135,824	\$35,046	\$232,529	\$366,714	\$824,454	1.76
2015	\$55,680	\$134,549	\$35,304	\$231,202	\$368,214	\$824,949	1.71
2016	\$55,443	\$134,671	\$34,663	\$148,149	\$369,569	\$742,495	2.05
2017	\$55,156	\$134,202	\$35,785	\$146,729	\$370,772	\$742,644	2.11
2018	--	\$134,692	\$35,946	\$145,207	\$371,830	\$687,675	1.83
2019	--	\$134,996	\$36,023	\$143,651	\$372,741	\$687,411	1.85

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

(TABLE 14)

Water & Sewer Fund Item	2014	2015	2016	2017	2018	2019
Projected Operating Revenue	\$9,129,466	\$9,278,143	\$9,402,251	\$9,535,518	\$9,671,055	\$9,808,908
Availability Fees	\$501,900	\$472,000	\$564,100	\$594,775	\$262,200	\$262,350
New Bond Issue	--	--	--	--	--	--
Use/(Return) of Cash Reserves	\$1,057,275	\$619,826	\$65,365	\$282,552	\$(116,119)	\$(119,185)
Less Projected Operating Expenditures	\$8,178,687	\$8,339,550	\$8,447,044	\$8,561,601	\$8,678,021	\$8,796,342
Less Debt Service	\$824,454	\$824,949	\$742,493	\$742,644	\$687,675	\$687,411
Net Capital Financing Potential	\$1,685,500	\$1,205,470	\$842,179	\$1,108,600	\$451,440	\$468,320

Adopted
CAPITAL IMPROVEMENT PROGRAM

	Prior Allocation	2014/15		2015/16		2016/17		2017/18		2018/19		TOTAL
		Bonds	Non-bonded	Bonds	Non-bonded	Bonds	Non-bonded	Bonds	Non-bonded	Bonds	Non-bonded	
General Fund												
<i>Finance Department:</i>												
I-Series Peripheral Equipment Replacement										35,000		35,000
I-Series Hardware Replacement								50,000				50,000
Sungard Grant Management Application										50,000		50,000
Sungard OnePoint Point-of-Sale Application									40,000			40,000
Time Entry Software and Equipment										66,500		66,500
Subtotal	-	-	-	-	-	-	50,000	-	-	75,000	-	241,500
<i>Fire Department:</i>												
Station 3, Second Floor Buildout		585,000										585,000
Transfers to Equipment Depreciation Fund	continuing	262,000	262,000	262,000	262,000	262,000	262,000	262,000	262,000	262,000	262,000	1,310,000
Subtotal	-	565,000	262,000	262,000	262,000	262,000	262,000	262,000	262,000	262,000	262,000	1,895,000
<i>Rescue:</i>												
Cardiac Monitors/Defibrillators	1,500,000	5,982,000	225,000	225,000	430,330	430,330	430,330	430,330	430,330	430,330	430,330	6,207,000
Replacement of Progress Street Station	80,000	80,000	144,000	144,000	144,000	144,000	144,000	144,000	144,000	144,000	144,000	368,000
EMS Communication System	continuing	152,353	152,353	152,353	152,353	152,353	152,353	152,353	152,353	152,353	152,353	761,765
Transfers to Equipment Depreciation Fund	1,500,000	5,982,000	457,353	296,353	726,683	726,683	726,683	726,683	726,683	726,683	726,683	7,767,095
Subtotal	1,500,000	5,982,000	457,353	296,353	726,683	726,683	726,683	726,683	726,683	726,683	726,683	7,767,095
<i>Parks and Recreation Department:</i>												
Picnic Shelter Replacement		80,000	80,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	120,000
Park Signage		20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	40,000
Park Restrooms	91,375				93,500	93,500	93,500	93,500	93,500	93,500	93,500	189,125
Hand-in-Hand Park Playground Equipment Rebuild*					285,000	285,000	285,000	285,000	285,000	285,000	285,000	285,000
Recreation Center and Campus Development			100,000	100,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	19,100,000
Transfers to Playground Depreciation Fund	continuing	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	175,000
Adjustable Basketball Backboards										25,000		25,000
Interchange Park Improvements		100,000										100,000
Sand Trap Renovation										95,000		95,000
Subtotal	91,375	100,000	135,000	175,000	1,433,500	1,433,500	1,433,500	1,433,500	1,433,500	250,625	18,000,000	20,129,125
<i>Planning and Building</i>												
Wayfinding Signs		20,000	20,000									20,000
Downtown Newsracks		15,000	15,000									15,000
Subtotal	-	-	35,000	-	-	-	-	-	-	-	-	35,000
<i>Engineering and GIS:</i>												
Streetlight Installation	10,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	25,000
2018 Aerial & Base Map Updates	85,000				70,000	70,000	70,000	70,000	70,000	70,000	70,000	70,000
Storm Water Management Program (2016 forward Enterprise Fund)	408,900	94,200	400,500	412,515	424,890	424,890	424,890	424,890	424,890	424,890	424,890	4,378,637
Subtotal	503,900	99,200	405,500	417,515	417,515	417,515	417,515	417,515	417,515	417,515	417,515	4,864,742
<i>Police Department:</i>												
Police Communication Center Equipment Upgrade	165,000	30,000	55,000	55,000	55,000	55,000	55,000	55,000	55,000	55,000	55,000	85,000
Police Communication System	200,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	200,000
Police Department Building Addition	40,000				5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000
E911 Joint Communication Center		150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	750,000
Traffic Committee	continuing	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	75,000
Police Department Vehicle Storage Building										50,000		50,000
Transfers to Equipment Depreciation Fund	continuing	321,775	321,775	321,775	321,775	321,775	321,775	321,775	321,775	321,775	321,775	1,608,875
Subtotal	405,000	616,775	641,775	641,775	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	486,775	486,775	7,768,875
<i>Public Works Department:</i>												
Municipal Building Exterior Improvements	200,000		75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000
Heated Wash Bay*		80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000
Major Facilities Repair and Maintenance*	278,328	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	500,000
Parking Lot Repaving	continuing	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	100,000
Rental Property Maintenance	continuing	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	150,000
Roof Replacement	continuing	65,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	155,000
Town Building Masonry Repair	80,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	160,000
Heating and Ventilating Renovations	85,200	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
Bucket Truck										125,000		125,000
Compressor Facility Replacement		35,700	35,700	35,700	35,700	35,700	35,700	35,700	35,700	35,700	35,700	35,700
Asphalt Repair Crew Vehicle		55,000	55,000	55,000	55,000	55,000	55,000	55,000	55,000	55,000	55,000	55,000
Custodial and General Services Equipment Cargo Van			95,000	95,000	95,000	95,000	95,000	95,000	95,000	95,000	95,000	95,000
Down Town Sidewalk Cleaner												
Curb, Gutter and Sidewalk In-fill Construction Projects	continuing	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	75,000
Transfers to Building Systems Depreciation Fund	continuing	110,491	110,491	110,491	110,491	110,491	110,491	110,491	110,491	110,491	110,491	552,465
Transfers to Equipment Depreciation Fund	continuing	497,854	497,854	497,854	497,854	497,854	497,854	497,854	497,854	497,854	497,854	2,489,270
Subtotal	643,628	65,000	1,209,045	40,000	1,058,345	1,058,345	868,345	868,345	868,345	753,345	125,000	4,872,425
Technology Replacement	continuing		93,000	63,000	63,000	63,000	63,000	63,000	63,000	63,000	63,000	345,000

Adopted
CAPITAL IMPROVEMENT PROGRAM

	Prior Allocation	2014/15		2015/16		2016/17		2017/18		2018/19		TOTAL
		Bonds	Non-bonded	Bonds	Non-bonded	Bonds	Non-bonded	Bonds	Non-bonded	Bonds	Non-bonded	
Data Logging Equipment for Water System	51,394		15,000				15,000					30,000
Data Logging Equipment for Wastewater System	18,100		20,500									20,500
Hospital Pump Station and Collection System Upgrade	675,000		355,000				309,000					355,000
Allegheny Water Tank Rehabilitation												309,000
UCB Water Main Replacement			165,000									165,000
Subtotal	760,494	-	689,900	-	389,329	-	634,750	-	-	-	-	1,713,979
<i>Public Works Department:</i>												
Fire Hydrant Replacement	120,000		30,000		30,000		30,000		30,000		30,000	150,000
Sanitary Sewer CMOM Program	continuing		250,000		250,000		250,000		250,000		250,000	1,250,000
Sanitary Sewer Lining and Pipe Bursting for I & I Abatement	continuing		150,570		122,850		143,850		121,440		103,320	642,030
Water Main Replacements	continuing		263,034		263,034		263,034		263,034		263,034	1,315,170
Transfers to Equipment Depreciation Fund	120,000		728,604		666,884		686,884		664,474		646,354	3,392,200
Subtotal	1,316,020	-	1,468,504	-	1,105,213	-	1,371,634	-	714,474	-	731,354	5,391,179
Total Water/Sewer Fund Projects												
Transit Fund												
Blacksburg Downtown Trolley	1,858,680		1,000,000									2,603,643
Dynamic Routing and Scheduling Study			601,713		324,215		113,983		1,000,000			1,000,000
BT Access Bus Replacement and Expansion Program	110,601		417,671		321,788		112,815		121,891		121,891	974,165
Christiansburg Bus Replacement and Expansion Program	11,562		13,351		13,752		14,589		14,165		15,027	70,884
Christiansburg Shelter, Amenities, Bike Rack Replacement & Expansion Program	4,896,642		1,055,431		3,115,052		937,751		759,883		3,130,719	8,998,836
Heavy Duty Bus Replacement and Expansion Program	12,551		22,969		13,056		721		3,725		14,613	55,084
Radio Replacement and Expansion Program			211,028		217,359		111,940		281,257			821,584
Regional Bus Replacement and Expansion Program	24,258		37,146		31,742		32,669		34,659		34,659	169,865
Shelter, Amenities, Bike Rack Replacement and Expansion Program	8,000		163,948		130,744		86,730		162,178		142,974	686,574
Support Vehicle Replacement and Expansion Program	50,000		50,000		50,000		50,000		50,000		50,000	250,000
Technology - BT4U Project	200,000		150,000		50,000		50,000		50,000			250,000
Technology - Data Network Project	86,192		49,008		99,656		184,666		135,706		36,777	505,813
Technology Replacement and Expansion Program	218,361		562,071		174,190		218,545		225,102		231,855	1,411,763
Transit Facility Maintenance Cost Program	2,615,000		32,500,000		1,000,000		2,350,000		4,600,000		2,500,000	32,500,000
Transit Multimodal Facility			50,000									10,500,000
Regional Transit Facilities	10,091,847		35,266,910		6,812,721		4,580,060		6,096,348		9,277,398	62,033,437
Total Transit Fund Projects												
Equipment Replacement Fund												
Major Equipment Purchase	continuing		2,313,000		1,578,000		2,048,000		1,815,000		2,942,000	10,696,000
Total Equipment Replacement Fund Projects	-		2,313,000		1,578,000		2,048,000		1,815,000		2,942,000	10,696,000
Major Building System Replacement Fund												
Major Building System Replacement	continuing		129,530		60,950		39,550		445,450		41,850	717,330
Total Major Building System Replacement Fund Projects	-		129,530		60,950		39,550		445,450		41,850	717,330
Solid Waste/Recycling Fund												
Tandem Dump Truck			118,000									118,000
Transfers to Equipment Depreciation Fund	continuing		46,750		46,750		46,750		46,750		46,750	233,750
Total Solid Waste/Recycling Fund Projects	-		164,750		46,750		46,750		46,750		46,750	351,750
Grand Total	15,015,896	7,927,000	44,982,067	320,000	13,508,607	5,714,000	13,451,812	-	12,522,010	18,500,000	16,713,962	133,639,458

* Other financing sources

** Funding from public works labor & equipment

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Finance

Project Title: I-Series Peripheral Equipment Replacement

Project Location: Finance

Project Status: Continuing

Description and Justification:

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 was replaced in FY 2012. The average life of this type of equipment is five years.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	Continuing					\$35,000		\$35,000	Continuing
Total	Continuing					\$35,000		\$35,000	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Finance

Project Title: I-Series Hardware Replacement

Project Location: Finance

Project Status: Continuing

Description and Justification:

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 at the end of fiscal year 2010. The I-Series has a useful life of five to seven years and is a stable and flexible platform for the integrated financial application and will need to be replaced due to its useful life, the growth of data history and new applications, such as internet applications.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	Continuing				\$50,000			\$50,000	Continuing
Total	Continuing				\$50,000			\$50,000	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Finance

Project Title: Sungard Grant Management Application

Project Location: Finance

Project Status: Continuing

Description and Justification:

This project establishes funding for the acquisition of the Grant Management application. This application manages and tracks grants with an easily accessible comprehensive repository that includes submitted and issued grants along with an audit trail conforming to the requirements of the issuing entity. As the Town applies and receives more grants this will enable efficient tracking and management without an increase in staff time.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	Continuing						\$50,000	\$50,000	Continuing
Total	Continuing						\$50,000	\$50,000	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Finance

Project Title: Sungard OnePoint Point-of-Sale Application

Project Location: Finance

Project Status: Continuing

Description and Justification:

This project establishes funding for the acquisition of the OnePoint Point-of-Sale (POS) Solution application. This application meets the ever-growing demand for electronic transactions. It is a fully integrated scalable payment procession solution which enables the cashiers to take credit card payments through their workstation rather than a separate credit card machine. This produces quick and efficient authorization and settlement.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	Continuing					\$40,000		\$40,000	Continuing
Total	Continuing					\$40,000		\$40,000	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Finance

Project Title: Time Entry Software and Equipment

Project Location: Finance

Project Status: Continuing

Description and Justification:

This project establishes funding for the acquisition of hardware and a software application that integrates with the Town's financial management system. This application is an effective option to electronically collect employee time and then directly interface it with the payroll application. This allows greater accountability and the ability to perform job costing without intense staff time. This will allow staff to spend more time analyzing information results rather than gathering it.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	Continuing						\$66,500	\$66,500	Continuing
Total	Continuing						\$66,500	\$66,500	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Fire

Project Title: Station 3, Second Floor Buildout

Project Location: 407 Hubbard Street

Project Status: Continuing

Description and Justification:

This project will fund the buildout of the 2nd floor of Fire Station 3. The 2nd floor will provide sleeping quarters for firefighters on duty. The remainder of the building was completed in 2010.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Obligation Bond	\$585,000		\$585,000					\$585,000	
Total	\$585,000		\$585,000					\$585,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Blacksburg Volunteer Rescue Squad

Project Title: Cardiac Monitors/Defibrillators

Project Location: Rescue Station

Project Status: Continuing

Description and Justification:

One of the most important, life-saving interventions a rescue squad can provide for a victim of cardiac arrest is rapid, effective defibrillation. Defibrillators shock the heart of a cardiac arrest patient with the hope of restarting the heart, and restoring a pulse. This project aims to replace the current “E Series” monitor/defibrillators with the newest available technology in 2016/17. It is imperative to stay up to date with emerging EMS trends and technologies to provide the best pre-hospital emergency care for the citizens of the Town of Blacksburg and Montgomery County. Research has shown that five to six years is the appropriate time to upgrade these critical pieces of life saving equipment.

The Blacksburg Rescue Squad is licensed by the Commonwealth of Virginia as an Advanced Life Support (ALS) agency. Equipping ambulances (6) and first response units (4) with Monitors/Defibrillators is necessary for maintaining such licensure and providing top-quality care of the citizens.

Current pricing does not reflect any possible discounts that may be realized at the actual time of purchase.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$430,330				\$430,330			\$430,330	
Total	\$430,330				\$430,330			\$430,330	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM PROJECT DETAIL SHEET

Department: Blacksburg Volunteer Rescue Squad
Project Title: Replacement of Progress Street Station
Project Location: 1230 Patrick Henry Drive, NW

Project Status: In Progress

Description and Justification:

This project funds the purchase of land, design, and construction for a new rescue station that meets the space and operational requirements for the Rescue Squad. The 48-year-old existing station limits the Squad's operational requirements due to the age and size of the facility. A new station will allow all emergency response vehicles to be stored on-site. Sufficient administrative, operations, living, and educational spaces will be included in a new rescue station. Community access for education and meeting space purposes will also be included in the design.

The land has been purchased and the property rezoned for the rescue station. The schematic design was completed for the rezoning application process.

Funding in FY 2014/15 is requested to complete the design and construct the facility.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Obligation Bond	\$7,482,000	\$1,500,000	\$5,982,000					\$5,982,000	
Rescue Squad	\$225,000		\$225,000					\$225,000	
Total	\$7,707,000	\$1,500,000	\$6,207,000					\$6,207,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Blacksburg Volunteer Rescue Squad

Project Title: EMS Communication System

Project Location: Rescue Station – 200 Progress Street

Project Status: New

Description and Justification:

The purpose of this project is to bring the rescue squad’s communication system in line with other public safety agencies in Montgomery County. The rescue squad currently operates in the VHF frequency band, and all other agencies are moving to the UHF frequency band. The first phase of this project is to place cross-band links on existing infrastructure. This short-term solution will establish interoperable communications for other county agencies responding to assist the rescue squad in mutual aid situations. The second phase requires the replacement of all portable radios used by squad members responding to calls. The rescue squad has already established necessary interoperable radios in fleet vehicles out of operating funds. The third phase is the upgrade of existing infrastructure and addition of new infrastructure sites. The rescue squad enjoys very high system performance on the existing VHF system. Migration to the UHF system is expected to decrease coverage by 25%, and therefore additional repeater sites will be required to serve the Town and Montgomery County.

Installment 1 (2014/15) will provide for interoperable UHF links to existing VHF channels for mutual aid. Installments 2 and 3 (2015/16-2016/17) will provide for the one-time conversion of the rescue squad’s portable radios from VHF to UHF.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$368,000		\$80,000	\$144,000	\$144,000			\$368,000	
Total	\$368,000		\$80,000	\$144,000	\$144,000			\$368,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Parks & Recreation

Project Title: Picnic Shelter Replacement

Project Location: Municipal Park

Project Status: New

Description and Justification:

This project is to replace four picnic shelters in the Municipal Park. All of the shelters are over 30 years old and are rented on a daily basis. The shelter size would be enlarged so additional picnic tables could be placed at each site. We would use our standard shelter to create a uniformed look for the park. The order or replacement Shelter #1 (\$40,000), Shelter #3 (\$40,000), and the two smaller shelters at \$20,000 a piece.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$120,000		\$80,000	\$20,000	\$20,000			\$120,000	
Total	\$120,000		\$80,000	\$20,000	\$20,000			\$120,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM PROJECT DETAIL SHEET

Department: Parks & Recreation
Project Title: Park Signage
Project Location: All Parks Town Wide

Project Status: New

Description and Justification:

This project is to create and install consistent signage for all Town parks. The signs will have standard information and design. The sizes of the signs will be determined on the park categories: regional and district parks would have more in-depth information and multiple signs, while neighborhood parks would have more simple smaller signs.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$40,000		\$20,000	\$20,000				\$40,000	
Total	\$40,000		\$20,000	\$20,000				\$40,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Parks & Recreation

Project Title: Park Restrooms

Project Location: Municipal, Nellies Cave, Toms Creek Parks

Project Status: On-going

Description and Justification:

This project is to construct the new standard park restroom in the Town parks. These restrooms will be available for year round use to better serve users of the parks. The style of the restrooms would be like the one at the Kipps Elementary site.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$280,500	\$91,375			\$93,500	\$95,625		\$189,125	
Total	\$280,500	\$91,375			\$93,500	\$95,625		\$189,125	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Parks & Recreation

Project Title: Hand-In-Hand Park Playground Equipment Rebuild

Project Location: Municipal Park

Project Status: New

Description and Justification:

This project will remove the original Hand-In-Hand playground structure that continually has maintenance issues and replace it with a new metal and plastic structure that will meet national standards. The theme of the playground will stay the same castle scope and the picket fence with the children’s names will remain in place. Funding for this project includes \$35,000 received from the original Hand-In-Hand board when the playground was given to the Town.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$285,000				\$285,000			\$285,000	
Total	\$285,000				\$285,000			\$285,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Parks & Recreation

Project Title: Recreation Center and Campus Development

Project Location: Old Blacksburg High School Site

Project Status: New

Description and Justification:

This project provides funding for the design and construction of a new recreation center and campus on the old Blacksburg High School property. This project assumes the Town will acquire the site from Montgomery County.

FY 2015/2016: Park Campus Design process
 FY 2016/2017: Removal of the old school building & amenities
 FY 2017/2018: Corporate fund raising challenge match
 FY 2018/2019: Add site amenities for the park campus
 FY 2018/2019: Start the phased construction

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$1,100,000			\$100,000	\$1,000,000			\$1,100,000	
General Obligation Bond	\$18,000,000						\$18,000,000	\$18,000,000	
Total				\$100,000	\$1,000,000		\$18,000,000	\$19,100,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM PROJECT DETAIL SHEET

Department: Parks & Recreation
Project Title: Transfer to Playground Depreciation Fund
Project Location: All Town Parks

Project Status: Continued

Description and Justification:

This project is to assist with the replacement of playgrounds & picnic shelters throughout the entire park system. This account would help offset the final replacement cost requested in the future.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	Continuing		\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$175,000	
Total	Continuing		\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$175,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Parks & Recreation

Project Title: Adjustable Basketball Backboard Systems

Project Location: Community Center

Project Status: New

Description and Justification:

This project is to upgrade the basketball backboard system at the Community Center so that they will become adjustable for the varying heights needed for the different age groups. The current backboards are original to the building.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$25,000					\$25,000		\$25,000	
Total	\$25,000					\$25,000		\$25,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Parks & Recreation

Project Title: Interchange Park Improvements

Project Location: Interchange property

Project Status: New

Description and Justification:

The Town has entered into a contract for the sale of commercial property on the former Interchange property. The sale of this land will provide the rough grading for phase I of the park development, as envisioned in the Interchange Park Master Plan. It is anticipated that the park rough grading and roadway into the park will be completed in summer 2014. Therefore, this funding is requested to construct improvements on the park property so that public use can begin soon after completion of the roadway.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Obligation Bond			\$100,000					\$100,000	
Total			\$100,000					\$100,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Parks & Recreation

Project Title: Sand Trap Renovation

Project Location: Golf Course

Project Status: New

Description and Justification:

This project is to completely renovate all twelve of the sand traps at the Golf Course. The sand traps are original to the course. They need to be reshaped, repositioned and upgraded.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$95,000					\$95,000		\$95,000	
Total	\$95,000					\$95,000		\$95,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Planning and Building

Project Title: Wayfinding Signs

Project Location: Town Wide

Project Status: New

Description and Justification:

This project is to fund installation of new wayfinding signs and to update existing wayfinding signs throughout Town. Vehicular oriented wayfinding signs were installed within the Town in 2010, focusing on Main Street and Prices Fork Road. No updates have been made to the signs since installation despite new key destinations being constructed. This project would include updates to the existing vehicular oriented wayfinding sign program and the addition of new pedestrian oriented wayfinding signs to guide visitors from public parking lots to key destinations Downtown. This project would update and complete a unified wayfinding signage system throughout Town.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$20,000		\$20,000					\$20,000	
Total	\$20,000		\$20,000					\$20,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Planning and Building

Project Title: Downtown Newsracks

Project Location: Town Wide

Project Status: New

Description and Justification:

This project is to fund installation of black metal newsracks or newspaper boxes in the Downtown commercial area. There are sidewalk areas within Downtown that have a number of different separate newspaper boxes of different sizes, materials and colors. This results in a very cluttered look to the streetscape in which the Town has made a substantial investment to beautify. Proposed are black metal newspaper boxes in keeping with the signature Downtown street furniture palate. One combined newspaper box would have sections to house multiple papers. This will enhance the Downtown streetscape.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$15,000		\$15,000					\$15,000	
Total	\$15,000		\$15,000					\$15,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM PROJECT DETAIL SHEET

Department: Engineering and GIS Department

Project Title: Streetlight Installation

Project Location: Town of Blacksburg

Project Status: Continuing

Description and Justification:

This project is to fund the installation of new streetlights as 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.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$35,000	\$10,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$25,000	
Total	\$35,000	\$10,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$25,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Engineering and GIS Department

Project Title: 2018 Aerial & Base Map Updates

Project Location: Engineering & GIS Department

Project Status: On-going maintenance on four-year update schedule

Description and Justification:

Funding in FY 2017/18 is requested for the next scheduled four-year update of the Town's aerials and other base map features. These updates are critical to keep up with the development changes in town and for maintaining the accuracy of the GIS.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$155,000	\$85,000				\$70,000		\$70,000	
Total	\$155,000	\$85,000				\$70,000		\$70,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Engineering & GIS

Project Title: Stormwater Management Program

Project Location: Town Watersheds

Project Status:

This project funds the minimum Town activities needed to comply with the Town's Municipal Separate Storm Sewer System (MS4) permit Program Plan. The Town began a new 5-year permit this year and the estimate includes the expected costs to comply with the minimum requirements of this permit. Activities funded under this project include stormwater system mapping and modeling, metering of flows within the Town's watersheds, implementation of the Stroubles Creek TMDL Implementation plan, public outreach and education, stormwater discharge surveys and illicit discharge monitoring and enforcement, outfall reconnaissance inventory, sampling of stormwater discharge from town properties, stormwater BMPs, storm drain markings, stream clean-ups, and storm drain system maintenance along with other requirements described by the Program Plan. Adherence to the Plan is reported on an annual basis. The current permit will expire July 2018.

Description and Justification:

Maintaining compliance with the Stormwater MS4 Permit is critical. Failure to comply will result in costly fines and penalties levied by the Virginia Department of Environmental Quality. In addition to maintaining the MS4 permit, the Town is subject to regulatory requirements of TMDL studies on Stroubles Creek and the Upper Roanoke River watersheds. To meet these requirements, funds are needed for the implementation of a comprehensive stormwater management program in compliance with the MS4 permit with sufficient analysis to enable appropriate decisions to be made for protection of our local waterways.

Town Council is currently considering a Stormwater Enterprise Fund to provide a revenue source for the needs of this program. If approved, these expenses will be funded from the Stormwater Enterprise Fund.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	Continuing	\$408,900	\$94,200	\$400,500	\$412,515	\$424,890	\$437,637	\$1,769,742	
Total	Continuing	\$408,900	\$94,200	\$400,500	\$412,515	\$424,890	\$437,637	\$1,769,742	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM PROJECT DETAIL SHEET

Department: Police

Project Title: Police Communication Center Equipment Upgrade

Project Location: 200 Clay Street, Blacksburg Police Department

Project Status: On-going

Description and Justification:

This project is designed to bring the police department's communication center up to existing industry standard and provide a compatible system framework to access other communication centers. With the migration to a consolidated communication center in the future, the need for compatible technology is essential for the development of back-up sites and the continued delivery of services to the community. The communication center will continue to be the nerve center of the police department long after the transition to the regional center is complete. Incremental upgrades in technology and furniture are needed to provide building security and customer service.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$250,000	\$165,000	\$30,000	\$55,000				\$85,000	
Total	\$250,000	\$165,000	\$30,000	\$55,000				\$85,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Police Department

Project Title: Police Communication System

Project Location: 200 Clay Street, Blacksburg Police Department

Project Status: On-going

Description and Justification:

This project is designed to bring the police department up to the required communication standard agreed upon by all county municipalities. The emergency response community has unanimously voted for the migration to the 400 MHz frequency spectrum for all agencies. The first phase of the project is to bring Blacksburg Police Department and Virginia Tech Police Department to the 400 MHz spectrum to give complete interoperable communications to all law enforcement agencies in Montgomery County (Montgomery County Sheriff's Office and Christiansburg Police Department are currently operating on the 400 MHz frequency). This continuing project encompasses the further development of primary transmit and receive sites and back-up/enhanced emergency systems. Terrain challenges required the addition of a receive only site on the North Main Water Tank and construction barriers required the use of distributed antenna systems in two buildings (Lewis Gale/Montgomery Hospital and Blacksburg High School). Other areas of concern have been identified and planned solutions have been developed (primarily North Main Tank site development and South Main/Ellett coverage areas). A back-up system was designed to be housed on the Clay Street Water Tank and to utilize existing equipment and antenna sites to establish an independent system should the main system become crippled or damaged (as experienced during weather events previously). This project can be achieved through incremental steps as the new communications system is fully operational and can be operated throughout any of the proposed enhancements.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/18	Current 5-Year Total	Future Years
General Fund	\$400,000	\$200,000	\$100,000	\$100,000				\$200,000	
Total	\$400,000	\$200,000	\$100,000	\$100,000				\$200,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM PROJECT DETAIL SHEET

Department: Police

Project Title: Police Department Building Addition

Project Location: 200 Clay St SW Blacksburg

Project Status: On-going

Description and Justification:

The first year of this project funds a study for the Police Department to determine space needs based on current operations and future operations, as well as assist in determining if the existing building can be expanded. The remaining funds will be used to expand the current facility or build a new facility. The original building was constructed in/around 1981 with an addition that was completed in/around 1991. The current building is no longer capable of being able to absorb any additional personnel. The BPD training room is no longer available as a community room due to having to be converted to a roll call room. Offices have two to three occupants in spaces that were designed for one. Personnel have used converted closet spaces for offices.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$40,000	\$40,000							
General Obligation Bond	\$5,000,000				\$5,000,000			\$5,000,000	
Total	\$5,040,000	\$40,000			\$5,000,000			\$5,000,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Police

Project Title: E911 Joint Communication Center

Project Location: 4th Floor of the existing Montgomery County Courthouse

Project Status: Continuing

Description and Justification:

The E911 Joint Communication Center will be a consolidated regional center consisting of law enforcement entities within Montgomery County. The proposed site for this project is in the existing Montgomery County Courthouse on the fourth floor. The funds will be utilized to provide the Town's portion of the \$3 million total cost of the E911 Joint Communication Center. Funding resources are being researched to determine availability of grants to off-set costs.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$750,000		\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000	
Total	\$750,000		\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM PROJECT DETAIL SHEET

Department: Police
Project Title: Traffic Committee
Project Location: Town of Blacksburg

Project Status: Continuing

Description and Justification:

This Capital Improvement Program request will allow the Traffic Committee to respond in a timely manner to hazardous conditions brought to the attention of the Committee by citizens and Town staff. These hazardous conditions are often extremely time sensitive and cannot await resolution through the regular CIP process. In the past, hazardous conditions brought to the Committee's attention were addressed through a variety of funding alternatives. These funds will be administered by the Traffic Committee with oversight from the Town Manager's Office. An illustrative list of possible projects could include guard rail installation, signage installation, crosswalk or stop-bar striping, and ADA curb-cut installation.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	Continuing	Continuing	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$75,000	Continuing
Total	Continuing	Continuing	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$75,000	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Police

Project Title: Police Department Vehicle Storage Building

Project Location: 2700 Prosperity Road

Project Status: New

Description and Justification:

This project would encompass constructing a storage facility for the majority of marked police vehicles currently stored at the Public Works Facility. With the increasing cost of police vehicles and inundation of technological features associated with them, it has become imperative to adequately protect and house them. The current fleet of vehicles is parked outside and exposed to all weather conditions and environmental impacts. The goal of this project would be to build a structure that matches current on-site construction (enclosed single bay, three sided, pole type with trussed roof), in an area that is conducive to expansion. This building could be engineered and constructed by Town staff as has been done with existing structures on the property. The building would be mutually beneficial to Public Works in the event that police vehicles are moved from the site (in a future project) as it would match existing functionality of structures on the property and be consistent with needed expansions.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$50,000				\$50,000			\$50,000	
Total	\$50,000				\$50,000			\$50,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Public Works

Project Title: Municipal Building Exterior Improvements

Project Location: Municipal Building

Project Status: In Progress

Description and Justification:

Funds for this project will be used to construct site improvements as part of the Phase II of the Town Hall Master Plan and exterior improvements to the Municipal Building site. Improvements will address interior sidewalks, retaining walls, lighting, and signage. Additional landscaping and the dumpster site will also be addressed as part of this project.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$275,000	\$200,000		\$75,000				\$75,000	
Total	\$275,000	\$200,000		\$75,000				\$75,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Public Works

Project Title: Heated Wash Bay

Project Location: Public Works Lot

Project Status: New

Description and Justification:

This project provides funding to house a heated wash bay to service vehicles during the winter time large enough to accommodate trucks with snow plows. The enclosure is a prefabricated structure which will be outfitted with natural gas heating, pressure washer, and drainage leading to an in line oil/water separator prior to discharging into the sewer system. The intent for this facility is to provide maintenance to extend the useful life of vehicles exposed to salt and elements that corrode vehicles. This wash bay would replace the existing outdoor truck washer that was fabricated by departmental staff over ten years ago and would provide for capture and handling and disposal of oily residue from the truck washing operation according to best practices.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Equipment Operations Fund	\$80,000		\$80,000					\$80,000	
Total	\$80,000		\$80,000					\$80,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM PROJECT DETAIL SHEET

Department: Public Works

Project Title: Major Facilities Repair and Maintenance

Project Location: Town Owned Buildings

Project Status: In Progress

Description and Justification:

This project provides funding for annual miscellaneous improvements to Town owned buildings in accordance with annual safety and condition inspections by the Building Department and Public Works staff. FY 2014/2015 improvements include:

- Price House exterior siding repair and site drainage improvements
- Replace downspouts and gutters on north side of warehouse building
- Replace flooring in lobby and hall of Aquatic center
- Office and break room reconfiguration at Public Works
- Remove moisture damaged building materials and refurbish basement storage Parks Recreation
- Rework custodial closets and storage area in Community Recreation Center
- Enclose existing work bay for small equipment repair area in Town Garage
- Re-affix parapet membrane roofing along Blacksburg Motor Company Building

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$757,328	\$278,328	\$79,000	\$100,000	\$100,000	\$100,000	\$100,000	\$479,000	
Equipment Operations Fund	\$21,000		\$21,000					\$21,000	
Total	\$778,328	\$278,328	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Public Works

Project Title: Parking Lot Repaving

Project Location: Various Locations

Project Status: On-going

Description and Justification:

This project provides funding for repaving parking lots at properties maintained by the Town of Blacksburg.

FY 2014/15

- Harrell Street Employee Parking Lot \$25,000

FY 2015/16

- Paving Public Works Department Parking Lot \$75,000

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$100,000		\$25,000	\$75,000				\$100,000	
Total	\$100,000		\$25,000	\$75,000				\$100,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Public Works

Project Title: Rental Property Maintenance

Project Location: Thomas-Conner House / Armory Building / Price House

Project Status: In Progress

Description and Justification:

This project provides funding to handle 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 and porch repairs.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	Continuing	Continuing	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$150,000	Continuing
Total	Continuing	Continuing	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$150,000	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Public Works

Project Title: Roof Replacement

Project Location: Town Wide

Project Status: In Progress

Description and Justification:

This project provides funding for the replacement of membrane, metal, or shingle roofs on town-owned buildings that have exceeded their useful life. The roofs identified in need of replacement over the next three years include:

FY 2014/2015:	Public Works Field Operations Pole Shed (1300 sq ft)	\$ 25,000
	Golf Course Maintenance Building (3000 sq ft)	\$ 40,000
FY 2015/2016:	Senior Center	\$ 40,000
FY 2016/2017:	Old Town Hall	\$ 50,000

All funding requests include associated engineering fees where required to accomplish the roof replacement and all work will be performed by an outside contractor. All roof replacement projects will incorporate sustainable building techniques where practicable to enhance the energy performance of the new roof system and lower life cycle costs of the building.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/2018	2018/2019	Current 5-Year Total	Future Years
General Obligation Bond	Continuing	Continuing	\$65,000	\$40,000				\$105,000	
General Fund					\$50,000			\$50,000	
Total	Continuing	Continuing	\$65,000	\$40,000	\$50,000			\$155,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM PROJECT DETAIL SHEET

Department: Public Works
Project Title: Town Building Masonry Repair
Project Location: Town Owned Buildings

Project Status: On-going

Description and Justification:

This project provides funding for repointing masonry and brick at Town buildings:

- Thomas Conner and Five Chimneys – repoint brick façade -\$60,000
- Blacksburg Motor Company – repoint brick façade and parge foundation repair - \$60,000
- Recreation Center – nonstructural interior cracks currently monitored will need repair - \$40,000

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2014/15	2015/16	2016/17	2018/19	Current 5-Year Total	Future Years
General Fund	\$200,000	\$80,000	\$60,000	\$60,000	\$40,000			\$160,000	
Total	\$200,000	\$80,000	\$60,000	\$60,000	\$40,000			\$160,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Public Works

Project Title: Heating and Ventilating Renovations – Community Center

Project Location: Recreation Center

Project Status: Continuing

Description and Justification:

This project provides funding for the replacement of obsolete pneumatically controlled heating and ventilating systems. Pneumatic systems were original to these buildings when first constructed. Replacement parts to maintain these systems approach the cost of modernizing to new HVAC systems without the added benefit of cooling. The replacement system will provide heating and air conditioning for year round use. Funds requested are for the difference between the depreciated obsolete equipment and the cost to upgrade to new HVAC and respective electronic controls. The Police Department was previously funded in 2013/14. Heating and cooling at the Recreation Center serves the Town’s Emergency Management Plan by providing year round shelter in the event of a catastrophe.

All funding requests include associated engineering fees where required to accomplish HVAC replacements.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$257,700	\$85,200	\$172,500					\$172,500	
Equipment Depreciation Fund	\$92,300	\$64,800	\$27,500					\$27,500	
Total	\$350,000	\$150,000	\$200,000					\$200,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Public Works

Project Title: Bucket Truck

Project Location: Town Wide

Project Status: New

Description and Justification:

This project provides funding for the replacement of the bucket truck used by the Horticulture division and Town electrician for tree maintenance, hanging of seasonal decorations, seasonal lights, parking lot lighting systems, building lights, and response to emergency call-outs from storm related events. The existing equipment is 16+ years old and requires annual maintenance costs in excess of \$10,000 to keep the equipment running at a reliable level of service.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$125,000						\$125,000	\$125,000	
Total	\$125,000						\$125,000	\$125,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Public Works

Project Title: Compressor Facility Replacement

Project Location: Town Garage

Project Status: New

Description and Justification:

This project will fund the replacement of the Town garage compressor facility that has been in operation for over 30 years and has exceeded its useful life by several years. This is a critical facility that is used to repair and maintain the Town's entire vehicle fleet and equipment. The existing facility has substandard performance which has increased annual maintenance costs and decreased reliability for operations. Funds for this project will cover the costs for replacement of existing equipment, electrical systems, mechanical plumbing, and enclosure.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Equipment Operation Fund	\$35,700		\$35,700					\$35,700	
Total	\$35,700		\$35,700					\$35,700	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Public Works

Project Title: Asphalt Repair Crew Vehicle

Project Location: Town Wide

Project Status: New

Description and Justification:

This project will fund a F550 Crew Cab truck to optimize the asphalt repair crew's operations by eliminating the use of a single axle dump truck, consolidate equipment storage and transportation into a single vehicle.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$55,000		\$55,000					\$55,000	
Total	\$55,000		\$55,000					\$55,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Public Works

Project Title: Custodial and General Services Equipment Cargo Van

Project Location: Town Wide

Project Status: New

Description and Justification:

This project will fund an E350 Cargo Van to be used jointly by the evening custodial and General Services Small Projects group to transport tools and equipment to facilities and project sites. Currently a hand-me-down vehicle is being used that requires substantial maintenance and is not optimal for the transportation of larger cleaning equipment and tools for maintenance of existing facilities.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$25,000				\$25,000			\$25,000	
Total	\$25,000				\$25,000			\$25,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Public Works

Project Title: Downtown Sidewalk Cleaner

Project Location: Town Wide

Project Status: New

Description and Justification:

This project will fund a subcompact sweeper/scrubber/vacuum vehicle that can be used to clean sidewalks and capture washing solutions to prevent the run off of this illicit discharge into the Town's stormwater collection and bio-retention systems, as required by the latest stormwater regulations. Current operations use pressure washer systems that do not provide containment of cleaning solutions or management of runoff from cleaning operations. Continued use of existing high pressure cleaning equipment is not recommended for brick paver surfaces.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$95,000			\$95,000				\$95,000	
Total	\$95,000			\$95,000				\$95,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM PROJECT DETAIL SHEET

Department: Public Works
Project Title: Curb, Gutter, and Sidewalk In-fill Construction Projects
Project Location: Town Wide

Project Status: New

Description and Justification:

This project funds the construction of curb, gutter, and sidewalk for infill sections that have not been constructed and are not included in revenue curb, gutter, and sidewalk replacement projects. Projects will be constructed to fill in infrastructure gaps adjacent to revenue sharing replacement projects.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	Continuing		\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$75,000	Continuing
Total	Continuing		\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$75,000	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM PROJECT DETAIL SHEET

Department: Public Works

Project Title: Transfers to Building Systems Depreciation Fund

Project Location: Various Town Buildings

Project Status: In Progress

Description and Justification:

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.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	Continuing	Continuing	\$110,491	\$110,491	\$110,491	\$110,491	\$110,491	\$552,455	Continuing
Total	Continuing	Continuing	\$110,491	\$110,491	\$110,491	\$110,491	\$110,491	\$552,455	Continuing

Transfers to Building Systems Depreciation Fund, 2014/15-2018/19

Description	Installation Date	Life	Replacement Cost	Depreciation	FY Replacement
Aquatic Center					
Heat Exchanger - Spa	2005	20	\$13,200	\$660	2025
Heat/cool roof top package unit - Lobby Area	1996	19	\$11,000	\$579	2015
Z pack duct energy recovery system heat w/ duct heater	2013	20	\$60,000	\$3,000	2033
1 gas fired domestic water heater	2013	20	\$8,000	\$400	2033
1 gas fired boiler	1993	25	\$75,000	\$3,000	2018
Energy Recovery Unit/ heat-air-dem-Pool Area	2003	15	\$330,000	\$22,000	2018
2 Heat Exchangers - Pool (normal & fast fill)	2014	25	\$15,000	\$600	2039
			\$512,200	\$30,239	
Armory					
Description	Installation Date	Life	Replacement Cost	Depreciation	FY Replacement
6 A/C units with gas heat	2007	20	\$60,000	\$3,000	2027
1 a/c split system w/ gas furnace	2007	20	\$4,400	\$220	2027
			\$64,400	\$3,220	
Bennett					
Description	Installation Date	Life	Replacement Cost	Depreciation	FY Replacement
1 ea forced air electric furnace w/ heat pump	2004	20	\$3,000	\$150	2024
1 ea forced air gas furnace w/ A/C	2004	20	\$3,300	\$165	2024
2 ea a/c split system	2004	20	\$8,800	\$440	2024
			\$15,100	\$755	
Cemetery					
Description	Installation Date	Life	Replacement Cost	Depreciation	FY Replacement
Oil fired Furnace	1998	17	\$5,000	\$294	2015
			\$5,000	\$294	
Five Chimneys					
Description	Installation Date	Life	Replacement Cost	Depreciation	FY Replacement
1 a/c split system	2013	15	\$5,000	\$333	2028
1 gas fired furnace	2013	15	\$5,000	\$333	2028
			\$10,000	\$667	
Golf Course Pro Shop					
Description	Installation Date	Life	Replacement Cost	Depreciation	FY Replacement
Heat Pump with backup electric heat	2014	18	\$5,500	\$306	2032
			\$5,500	\$306	
Golf Course Maintenance Shop					
Description	Installation Date	Life	Replacement Cost	Depreciation	FY Replacement
Gas Furnace	2011	20	\$9,000	\$450	2031
			\$9,000	\$450	
Municipal Building					
Description	Installation Date	Life	Replacement Cost	Depreciation	FY Replacement
1 A/C ductless split system computer room	2012	15	\$11,000	\$733	2027
1 A/C ductless split system computer room	2012	15	\$11,000	\$733	2027
roof top package HVAC 1st and 2nd floor	2012	20	\$145,000	\$7,250	2032
VRF A/C system w/ ERV 3rd floor	2012	15	\$75,000	\$5,000	2027
A/C split system Town Hall Conference Room 1st floor	2001	14	\$4,000	\$286	2015
Roof top package w/ gas heat council chambers	1996	20	\$22,000	\$1,100	2016
Roof top A/C unit council chambers	1996	20	\$4,000	\$200	2016
A/C condenser split system court offices	2001	15	\$7,700	\$513	2016
indoor air handler court offices	1992	24	\$5,000	\$208	2016
indoor duct heater court offices	1992	24	\$9,000	\$375	2016
control system court offices	1992	24	\$5,000	\$208	2016
Packaged Terminal Heat Pump break room 1st floor	2008	10	\$1,500	\$150	2018
Domestic hot water heater 1st floor	2007	15	\$12,100	\$807	2022
Elevator	2012	30	\$98,000	\$3,267	2042
			\$410,300	\$20,831	

Transfers to Building Systems Depreciation Fund, 2014/15-2018/19

Old Town Hall									
Description	Installation Date	Life	Replacement Cost	Cost Depreciation	FY Replacement				
1 forced air gas furnace	2005	15	\$6,600	\$440	2020				
1 split a/c system / heat pump	2005	15	\$6,600	\$440	2020				
			\$13,200	\$880					
Parks & Rec Administration									
Description	Installation Date	Life	Replacement Cost	Cost Depreciation	FY Replacement				
3 forced air furnaces	1998	17	\$9,900	\$582	2015				
3 split a/c systems	1998	17	\$16,500	\$971	2015				
			\$26,400	\$1,553					
Police Department Building									
Description	Installation Date	Life	Replacement Cost	Cost Depreciation	FY Replacement				
2 roof top cooling & heating units - Training Room/ Chief Area	2003	20	\$24,000	\$1,200	2023				
1 roof top cooling & heat unit - Jail	1999	20	\$12,000	\$600	2019				
1 pneumatic control system	1982	33	\$16,500	\$500	2015				
1 gas fired boiler	1982	33	\$27,500	\$833	2015				
2 a/c condenser split systems	1998	17	\$8,800	\$518	2015				
1 envirotech zone thermostat systems	1992	25	\$8,800	\$352	2017				
2 custom built air handler w/hot water heat	1982	33	\$12,000	\$364	2015				
a/c system heat w/electric furnace - evidencne area	2000	20	\$4,000	\$200	2020				
2 a/c split ductless for record room / dispatch	2002	20	\$13,200	\$660	2022				
			\$126,800	\$5,227					
Police Storage Building									
Description	Installation Date	Life	Replacement Cost	Cost Depreciation	FY Replacement				
1 gas fired furnace	1999	20	\$3,850	\$193	2019				
			\$3,850	\$193					
Police Communication Building - Clay Street									
Description	Installation Date	Life	Replacement Cost	Cost Depreciation	FY Replacement				
? 4 a/c units w/electric heat	1997	20	\$24,000	\$1,200	2017				
			\$24,000	\$1,200					
Price House									
Description	Installation Date	Life	Replacement Cost	Cost Depreciation	FY Replacement				
2 a/c split ductless heat pumps	2009	15	\$20,000	\$1,333	2024				
			\$20,000	\$1,333					
Price's Fork Rd. Fire House									
Description	Installation Date	Life	Replacement Cost	Cost Depreciation	FY Replacement				
2 split a/c systems	2005	15	\$17,600	\$1,173	2020				
2 forced air furnaces	1991	29	\$8,800	\$303	2020				
2 infrared tube heaters	1991	30	\$8,800	\$293	2021				
2 a/c & heat pump systems	2013	15	\$8,800	\$587	2028				
			\$44,000	\$2,357					
Progress St. Fire House									
Description	Installation Date	Life	Replacement Cost	Cost Depreciation	FY Replacement				
1 pneumatic control system	2012	30	\$16,500	\$550	2042				
1 gas fired boiler - main level and basement	2013	30	\$38,500	\$1,283	2043				
3 roof top a/c package units	2013	20	\$33,000	\$1,650	2033				
2 split a/c systems	2012	20	\$17,600	\$880	2032				
ductless heat pump dual zone unit	2007	20	\$5,000	\$250	2027				
2 hanging air handler - bay area	1983	37	\$10,000	\$270	2020				
Exterior Vertical Lift	2012	15	\$15,000	\$1,000	2027				
			\$135,600	\$5,884					

Transfers to Building Systems Depreciation Fund, 2014/15-2018/19

Purchasing Warehouse	Description	Installation Date	Life	Replacement Cost	Depreciation	FY Replacement
	Horizontal Furnace forced gas	1995	20	\$1,650	\$83	2015
	1 split a/c system	2006	9	\$8,800	\$978	2015
	Exhaust Fan warehouse area	1997	18	\$880	\$49	2015
	2 large gas fired hanging heater - carpenter shop	2011	15	\$15,000	\$1,000	2026
	ductless split system - technology	2006	20	\$5,000	\$250	2026
	a/c window - wall	2006	9	\$600	\$67	2015
	small unit gas fired hanging heater - meter room	1999	20	\$4,000	\$200	2019
	2 large gas fired hanging heater - warehouse	2012	21	\$10,000	\$476	2033
	A/C window (controlled temperature room)	2006	9	\$2,000	\$222	2015
				\$47,930	\$3,324	

PW Administration Building	Description	Installation Date	Life	Replacement Cost	Depreciation	FY Replacement
	1 forced air gas fired furnace - training	2004	16	\$4,950	\$309	2020
	1 forced air gas fired furnace - training	2004	16	\$3,300	\$206	2020
	1 forced air gas horizontal furnace admin	1998	20	\$3,300	\$165	2018
	1 split a/c system - admin	1998	20	\$4,950	\$248	2018
	1 forced air gas fired furnace - lunchroom	2000	16	\$3,300	\$206	2016
	1 split a/c system - lunchroom	2000	16	\$4,950	\$309	2016
				\$24,750	\$1,444	

PW Storage Buildings	Description	Installation Date	Life	Replacement Cost	Depreciation	FY Replacement
	1 gas fired furnace - sign shop	2011	15	\$3,200	\$213	2026
	1 gas fired unit heat - green shed	2012	15	\$3,200	\$213	2027
	1 gas fired unit heat - New PW shed	2012	15	\$3,200	\$213	2027
	1 gas fire unit heat - landscape shed	2000	15	\$3,200	\$213	2015
				\$12,800	\$853	

Recreation Center	Description	Installation Date	Life	Replacement Cost	Depreciation	FY Replacement
	6 hot water air handlers - gym & locker room	2014	32	\$11,000	\$344	2046
	1 pneumatic temperature control system	2014	32	\$16,500	\$516	2046
	3 gas fired boiler	2005	30	\$33,000	\$1,100	2035
	1 roof top a/c package unit computer lab & office w/ ERV	2012	20	\$14,000	\$700	2032
	2 roof top package unit gas - art room & senior	1998	20	\$16,000	\$800	2018
	4 LG Split Systems - multipurpose room w/ ERV	2012	20	\$30,000	\$1,500	2032
	1 roof top package - program room w/ ERV	2012	20	\$18,000	\$900	2032
	1 roof top package - social room w/ ERV	2012	20	\$15,000	\$750	2032
	1 roof top package with dehumidifier (weight room)	2009	20	\$12,000	\$600	2029
	1 ERV in Gym (weight room)	2009	20	\$4,000	\$200	2029
				\$169,500	\$7,409	

Thomas Conner House	Description	Installation Date	Life	Replacement Cost	Depreciation	FY Replacement
	2 a/c split systems w/gas furnace	1994	25	\$22,000	\$880	2019
	1 gas fired boiler	1994	30	\$5,500	\$183	2024
	2 a/c units window	2002	13	\$4,000	\$308	2015
				\$31,500	\$1,371	

Transfers to Building Systems Depreciation Fund, 2014/15-2018/19

Description	Installation Date	Life	Replacement Cost	Depreciation	FY Replacement
Town Garage					
1 waste oil fired furnace	2006	20	\$8,800	\$440	2026
4 gas fired tube heaters	2004	20	\$9,900	\$495	2024
2 window a/c unit	2014	16	\$1,200	\$75	2030
5 infrared heating units	1997	20	\$2,750	\$138	2017
2 electric heating units ceiling	2000	20	\$1,200	\$60	2020
Exhaust evacuation system	2012	20	\$50,000	\$2,500	2032
			\$73,850	\$3,708	

Description	Installation Date	Life	Replacement Cost	Depreciation	FY Replacement
Blacksburg Motor Company					
14 Water Source Heat Pumps	2008	20	\$56,000	\$2,800	2028
1 Geothermal Loop	2008	30	\$90,000	\$3,000	2038
4 Building Sump Pumps	2008	10	\$4,200	\$420	2018
5 Ductless Split A/C Units	2008	15	\$12,500	\$833	2023
1 Subsurface Ventilation System	2011	10	\$5,000	\$500	2021
1 Engine Generator	2008	20	\$55,000	\$2,750	2028
1 elevator system	2008	40	\$95,000	\$2,375	2048
			\$317,700	\$12,678	

Description	Installation Date	Life	Replacement Cost	Depreciation	FY Replacement
Fire House III					
4 Gas Furnaces w/ AC	2009	20	\$44,000	\$2,200	2029
4 Tube type gas heat	2008	15	\$16,000	\$1,067	2023
1 Compressor/Dryer	2008	10	\$10,500	\$1,050	2018
			\$70,500	\$4,317	

Total Existing Equipment in Program \$2,164,880 \$110,491

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM PROJECT DETAIL SHEET

Department: Public Works
Project Title: Transfer to Equipment Depreciation Fund
Project Location: Not Applicable

Project Status: In Progress

Description and Justification:

This fund was established in FY 1977/78 to set aside each year, on a cumulative basis, enough funding to allow for the replacement of equipment that has reached its useful life. This 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. An itemized listing of vehicles and equipment is included in the following pages.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	Continuing	Continuing	\$493,354	\$493,354	\$493,354	\$493,354	\$493,354	\$2,466,770	Continuing
Fire Fund	Continuing	Continuing	\$262,000	\$262,000	\$262,000	\$262,000	\$262,000	\$1,310,000	Continuing
Police Fund	Continuing	Continuing	\$321,775	\$321,775	\$321,775	\$321,775	\$321,775	\$1,608,875	Continuing
Rescue Fund	Continuing	Continuing	\$152,353	\$152,353	\$152,353	\$152,353	\$152,353	\$761,765	Continuing
Water/Sewer Fund	Continuing	Continuing	\$263,034	\$263,034	\$263,034	\$263,034	\$263,034	\$1,315,170	Continuing
Waste Mtg.	Continuing	Continuing	\$46,750	\$46,750	\$46,750	\$46,750	\$46,750	\$233,750	Continuing
CDBG	Continuing	Continuing	\$4,500	\$4,500	\$4,500	\$4,500	\$4,500	\$22,500	Continuing
Total	Continuing	Continuing	1,543,766	1,543,766	1,543,766	1,543,766	1,543,766	\$7,718,830	Continuing

TRANSFER TO EQUIPMENT DEPRECIATION FUND

Equip. #	Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
CDBG Fund							
791	HD-101	SUV, Economy 2WD	2007	10	25,000	2,500	2017
858	HD-201	Sedan, Economy	2008	10	20,000	2,000	2018
		Fund Total:			\$45,000	\$4,500	
Fire Fund							
830	FD-09	Pumper	2007	10	700,000	70,000	2017
559	FD-11	Truck-Brush	2002	15	85,000	5,667	2017
50010	FD-10	Pumper	1998	20	700,000	35,000	2018
402	FD-02	Truck-Ladder-Platform	1999	20	1,200,000	60,000	2019
891	FD-28	Sedan, Full Size	2009	10	35,000	3,500	2019
914	FD-29	SUV, Full Size	2009	10	62,000	6,200	2019
771	FD-17	Truck-Pick-up, F-550 4WD	2006	15	62,000	4,133	2021
1092	FD-21	Truck-Pickup, 1/2 ton 4WD CC	2013	8	60,000	7,500	2021
829	FD-03	Truck-Ladder	2007	20	900,000	45,000	2027
ON ORDER	FD-05	Mobile Air Unit (Chassis)	2013	20	500,000	25,000	2033
		Fund Total:			\$4,304,000	\$262,000	
General Fund							
683	BD-301	Van-Cargo E250	2005	10	50,000	5,000	2015
626	BD-401	Truck-Pickup, 1/2 ton 4WD	2005	10	25,000	2,500	2015
	GC-01	Mowers (2) - Golf Course	2000	15	24,000	1,600	2015
	GC-03	Sand Trap Rake	2000	15	21,000	1,400	2015
431	GC-807	Mower-Greens	1998	17	30,000	1,765	2015
460	PI-301	Van, Standard Cargo	2001	14	30,000	2,143	2015
669	PK-403	Truck-Pickup, 1 ton 4WD, util bed	2005	10	50,000	5,000	2015
676	PN-101	SUV, Economy 2WD	2005	10	25,000	2,500	2015
	PW-04	Mowers (2)	2008	7	24,000	3,429	2015
832	AS-501	Truck-Dump, Tandem	2007	9	130,000	14,444	2016
793	AS-607	Sweeper-Street	2006	10	250,000	25,000	2016

TRANSFER TO EQUIPMENT DEPRECIATION FUND

Equip. #	Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
444	AS-701	Backhoe	2001	15	125,000	8,333	2016
850	EG-102	SUV, Economy 2WD	2008	8	25,000	3,125	2016
752	EG-401	Truck-Pickup, 1/2 ton 4WD	2006	10	25,000	2,500	2016
	GC-02	Mowers (2) - Golf Course	2004	12	24,000	2,000	2016
871	GR-402	Truck-Pickup, 1 ton 4WD, util bed	2008	8	50,000	6,250	2016
849	MP-101	SUV, Economy 2WD	2008	8	25,000	3,125	2016
	PW-05	Mowers (2)	2009	7	24,000	3,429	2016
464	SD-701	Backhoe	2001	15	125,000	8,333	2016
583	SD-901	Vacscavator	2004	12	40,000	3,333	2016
775	GC-401	Truck-Pickup, 1 ton 4WD	2007	10	35,000	3,500	2017
667	GC-802	Tractor, 40 HP	2004	13	50,000	3,846	2017
430	GC-805	Mower-Greens	1999	18	35,000	1,944	2017
910	HT-402	Truck-Pickup, 1 ton 4WD, util bed	2009	8	50,000	6,250	2017
911	HT-404	Truck-Pickup, 1 ton 4WD, util bed	2009	8	50,000	6,250	2017
93	MP-402	Truck-Traffic Message Board	2001	16	45,000	2,813	2017
889	PK-809	JD Ballfield Rake 3 Wheel	2009	8	22,000	2,750	2017
	PW-06	Mowers (3)	2010	7	36,000	5,143	2017
788	TE-402	Truck-Pickup, 1 ton 4WD, util bed	2007	10	50,000	5,000	2017
865	BD-403	Truck-Pickup, 1 ton 4WD, util bed	2008	10	50,000	5,000	2018
	GC-04	5 Gang Mower	2000	18	20,000	1,111	2018
847	GS-101	Sedan, Economy	2008	10	20,000	2,000	2018
869	HT-403	Truck-Pickup, F550 4WD	2008	10	50,000	5,000	2018
845	IN-101	SUV, Economy 2WD	2008	10	25,000	2,500	2018
846	IN-103	SUV, Economy 4WD	2008	10	30,000	3,000	2018
844	IN-104	SUV, Economy 4WD	2008	10	30,000	3,000	2018
877	MP-102	SUV, Economy 2WD	2008	10	25,000	2,500	2018
868	PK-401	Truck-Pickup, 1 ton 4WD, util bed	2008	10	50,000	5,000	2018
843	PW-101	Sedan, Economy	2008	10	20,000	2,000	2018

TRANSFER TO EQUIPMENT DEPRECIATION FUND

Equip. #	Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
848	RC-101	SUV, Economy 2WD	2008	10	25,000	2,500	2018
859	RC-201	Sedan, Economy	2008	10	20,000	2,000	2018
879	RC-303	Van, 23-Passenger	2008	10	80,000	8,000	2018
878	RC-306	Van, Mini Passenger	2008	10	30,000	3,000	2018
955	AS-502	Truck-Dump, Standard	2010	9	120,000	13,333	2019
960	AS-503	Truck-Dump, 4WD	2010	9	130,000	14,444	2019
894	BD-405	Truck-Pickup, 1 ton 4WD, util bed	2009	10	50,000	5,000	2019
446	EO-901	Trailer, Low Boy	2001	18	45,000	2,500	2019
750	GC-810	Sprayer	2006	13	30,000	2,308	2019
777	GC-901	Leaf Vac w/Yard Hopper	2001	18	30,000	1,667	2019
	PW-01	Mowers (2)	2012	7	24,000	3,429	2019
895	PW-102	Sedan, Economy	2009	10	20,000	2,000	2019
957	SD-501	Truck-Dump, Standard	2010	9	120,000	13,333	2019
959	SD-502	Truck-Dump, Standard	2010	9	120,000	13,333	2019
953	SW-501	Truck-Dump, Standard	2010	9	120,000	13,333	2019
1029	TE-901	Message Board, Solar Powered	2012	7	20,000	2,857	2019
1013	TM-101	SUV, Economy 4WD	2012	7	30,000	4,286	2019
941	CE-808	Gator Toolcat	2010	10	50,000	5,000	2020
447/825	MP-502	Truck-Dump, Tandem	2007	13	135,000	10,385	2020
1015	SW-401	Truck-Pickup, 1 ton 4WD util bed	2012	8	50,000	6,250	2020
1035	TE-401	Truck, Bucket	2012	8	150,000	18,750	2020
1054	CC-401	Truck-Pickup, 1 ton 4WD util bed	2013	8	50,000	6,250	2021
1053	CE-401	Truck-Pickup, 1 ton 4WD	2013	8	35,000	4,375	2021
947	HT-405	Truck-F550 Flatbed	2009	12	50,000	4,167	2021
1044	RC-302	Van, 15-Passenger	2013	8	30,000	3,750	2021
1055	SD-401	Truck-Pickup, 1 ton 4WD util bed	2013	8	50,000	6,250	2021
792	SW-702	Unloader	2006	15	45,000	3,000	2021
1016	CE-701	Backhoe	2012	10	125,000	12,500	2022

TRANSFER TO EQUIPMENT DEPRECIATION FUND

Equip. #	Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
1108	EG-101	SUV, Economy 2WD	2014	8	25,000	3,125	2022
9274	GC-801	Tractor	1994	28	20,000	714	2022
1095	HT-401	Truck-Pickup, 1/2 ton 4WD	2014	8	30,000	3,750	2022
940	HT-801	Bobcat Toolcat	2010	12	50,000	4,167	2022
1101	MP-401	Truck-Pickup, F550 4WD	2014	8	50,000	6,250	2022
ON ORDER	PK-402	Truck-Pickup, 1 ton EC 4WD	2014	8	35,000	4,375	2022
1098	PW-201	Sedan, Economy	2014	8	25,000	3,125	2022
1107	ST-101	SUV, Economy 4WD	2014	8	30,000	3,750	2022
807	SW-701	Backhoe	2007	15	125,000	8,333	2022
1059	BD-601	Scissor Lift with Trailer	2013	10	20,000	2,000	2023
870	CH-101	SUV, Economy 2WD	2008	15	20,000	1,333	2023
1093	HT-501	Truck- Dump, Water	2013	10	110,000	11,000	2023
875	HT-702	Unloader	2008	15	45,000	3,000	2023
893	AS-602	Asphalt Maintainer	2009	15	200,000	13,333	2024
1025	AS-703	Loader	2012	12	175,000	14,583	2024
1087	CC-701	Excavator, Mini 50	2014	10	70,000	7,000	2024
1102	CC-901	Trailer, 28' Deckover Tilt	2014	10	20,000	2,000	2024
1084	EO-502	Truck, Service Crane	2014	10	180,000	18,000	2024
1023	GC-806	Mower-Fairway, 4WD	2012	12	50,000	4,167	2024
697	EO-501	Road Tractor	2005	20	100,000	5,000	2025
	TR-01	Trailers (7) - PW	2009	16	33,850	2,116	2025
ON ORDER	GR-801	Tractor	2014	12	125,000	10,417	2026
			Fund Total:		\$5,137,850	\$493,354	
Police Fund							
635	PD-059	SUV, Standard	2005	10	35,000	3,500	2015
798	PD-071	Sedan, Full Size-Marked, w/add ons	2007	8	50,000	6,250	2015
799	PD-072	Sedan, Full Size-Marked, w/add ons	2007	8	50,000	6,250	2015
800	PD-073	Sedan, Full Size-Marked, w/add ons	2007	8	50,000	6,250	2015

TRANSFER TO EQUIPMENT DEPRECIATION FUND

Equip. #	Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
801	PD-074	Sedan, Full Size-Marked, w/add ons	2007	8	50,000	6,250	2015
818	PD-075	SUV, Standard	2008	8	35,000	4,375	2016
828	PD-077	Sedan, Full Size	2008	8	30,000	3,750	2016
854	PD-081	Sedan, Full Size-Marked, w/add ons	2008	8	50,000	6,250	2016
855	PD-082	Sedan, Full Size-Marked, w/add ons	2008	8	50,000	6,250	2016
857	PD-083	Sedan, Full Size-Marked, w/add ons	2008	8	50,000	6,250	2016
860	PD-084	Sedan, Full Size-Marked, w/add ons	2008	8	50,000	6,250	2016
887	PD-086	SUV, Standard	2009	8	35,000	4,375	2017
890	PD-0901	SUV, Standard	2009	8	35,000	4,375	2017
899	PD-0902	Sedan, Full Size-Marked, w/add ons	2009	8	50,000	6,250	2017
896	PD-0903	SUV, Standard	2009	8	35,000	4,375	2017
900	PD-0904	Sedan, Full Size-Marked, w/add ons	2009	8	50,000	6,250	2017
903	PD-0905	Sedan, Full Size-Marked, w/add ons	2009	8	50,000	6,250	2017
904	PD-0906	Sedan, Full Size-Marked, w/add ons	2009	8	50,000	6,250	2017
905	PD-0907	Sedan-Full Siza-Unmarked w/add ons	2009	8	50,000	6,250	2017
906	PD-0908	Sedan-Full Siza-Unmarked w/add ons	2009	8	50,000	6,250	2017
898	PD-1001	Sedan, Full Size	2009	8	30,000	3,750	2017
973	PD-1003	Sedan, Full Size-Marked, w/add ons	2010	8	50,000	6,250	2018
974	PD-1004	Sedan, Full Size-Marked, w/add ons	2010	8	50,000	6,250	2018
975	PD-1005	Sedan, Full Size-Marked, w/add ons	2010	8	50,000	6,250	2018
988	PD-1006	Sedan, Full Size-Marked, w/add ons	2010	8	50,000	6,250	2018
989	PD-1007	Sedan, Full Size-Marked, w/add ons	2010	8	50,000	6,250	2018
990	PD-1008	Sedan, Full Size-Marked, w/add ons	2010	8	50,000	6,250	2018
991	PD-1009	Sedan, Full Size-Marked, w/add ons	2010	8	50,000	6,250	2018
1009	PD-1101	Sedan, Full Size-Marked, w/add ons	2011	8	50,000	6,250	2019
1010	PD-1102	Sedan, Full Size-Marked, w/add ons	2011	8	50,000	6,250	2019
1012	PD-1104	Sedan, Full Size-Marked, w/add ons	2011	8	50,000	6,250	2019
1014	PD-1105	Sedan, Full Size	2011	8	30,000	3,750	2019

TRANSFER TO EQUIPMENT DEPRECIATION FUND

Equip. #	Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
1024	PD-1201	Van - Jail	2012	8	50,000	6,250	2020
1063	PD-1301	Sedan, Full Size-Marked, w/add ons	2013	8	50,000	6,250	2021
1064	PD-1302	Sedan, Full Size-Marked, w/add ons	2013	8	50,000	6,250	2021
1065	PD-1303	Sedan, Full Size-Marked, w/add ons	2013	8	50,000	6,250	2021
1066	PD-1304	Sedan, Full Size-Marked, w/add ons	2013	8	50,000	6,250	2021
1067	PD-1305	Sedan, Full Size-Marked, w/add ons	2013	8	50,000	6,250	2021
1068	PD-1306	Sedan, Full Size-Marked, w/add ons	2013	8	50,000	6,250	2021
1071	PD-1307	SUV, Standard, K9, w/ add ons	2013	8	50,000	6,250	2021
1072	PD-1308	SUV, Standard, K9, w/ add ons	2013	8	50,000	6,250	2021
1061	PD-1309	SUV, Standard, K9, w/ add ons	2013	8	50,000	6,250	2021
1048	PD-1310	SUV, Standard	2013	8	35,000	4,375	2021
1049	PD-1311	SUV, Standard	2013	8	35,000	4,375	2021
1050	PD-1312	Sedan-Unmarked	2013	8	35,000	4,375	2021
1069	PD-1313	SUV, Standard-Marked w/add ons	2013	8	50,000	6,250	2021
1089	PD-1319	SUV, Standard-Marked w/add ons	2013	8	50,000	6,250	2021
ON ORDER	PD-1314	Sedan, Full Size-Marked, w/add ons	2014	8	50,000	6,250	2022
ON ORDER	PD-1315	Sedan, Full Size-Marked, w/add ons	2014	8	50,000	6,250	2022
ON ORDER	PD-1316	Sedan, Full Size-Marked, w/add ons	2014	8	50,000	6,250	2022
ON ORDER	PD-1317	Sedan, Full Size-Marked, w/add ons	2014	8	50,000	6,250	2022
ON ORDER	PD-1318	SUV, Standard-Marked w/add ons	2014	8	50,000	6,250	2022
1103	PD-1320	Motorcycle-Marked	2014	8	32,000	4,000	2022
1104	PD-1321	Motorcycle-Marked	2014	8	32,000	4,000	2022
1090	PD-1401	SUV, Standard	2014	8	35,000	4,375	2022
1091	PD-1402	SUV, Standard	2014	8	35,000	4,375	2022
856	PD-085	Van - Rapid Deployment w/add ons	2008	15	51,000	3,400	2023
					Fund Total:	\$2,605,000	\$321,775
Rescue Fund							
4054	RS-54	Rescue Crash Truck	1992	23	1,000,000	43,478	2015

TRANSFER TO EQUIPMENT DEPRECIATION FUND

Equip. #	Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
779	RS-56	Ambulance-Type II	2007	8	215,000	26,875	2015
711	RS-R1	Tahoe 4WD	2005	10	60,000	6,000	2015
712	RS-R2	Tahoe 4WD	2005	10	60,000	6,000	2015
804	RS-R3	Truck-Pickup, 1 ton 4WD w/add ons	2007	8	70,000	8,750	2015
946	RS-57	Ambulance, Type II	2009	8	215,000	26,875	2017
852	RS-C3	Suburban, 4WD	2008	10	75,000	7,500	2018
1094	RS-53	Ambulance	2013	8	215,000	26,875	2021
		Fund Total:			\$1,910,000	\$152,353	
Waste Management Fund							
	LB-01	Leaf Boxes (6) - PW	2012	3	24,000	8,000	2015
631	WM-902	Leaf Machine	2004	12	25,000	2,083	2016
632	WM-903	Leaf Machine	2004	12	25,000	2,083	2016
773	WM-904	Leaf Machine	2006	12	25,000	2,083	2018
958	WM-501	Truck-Dump, Standard	2010	9	120,000	13,333	2019
952	WM-502	Truck-Dump, Standard	2010	9	120,000	13,333	2019
888	WM-201	Sedan, Economy	2009	12	20,000	1,667	2021
938	WM-905	Leaf Machine	2009	12	25,000	2,083	2021
939	WM-906	Leaf Machine	2009	12	25,000	2,083	2021
		Fund Total:			\$409,000	\$46,750	
Water & Sewer Fund							
790	PS-401	Truck-Pickup, 1 ton 4WD, util bed	2007	8	50,000	6,250	2015
806	SE-402	Truck-Pickup, 1 ton 4WD, util bed	2007	8	50,000	6,250	2015
796	UB-402	Truck-Pickup, 1/2 ton 4WD	2007	8	25,000	3,125	2015
787	WA-401	Truck-Pickup, 1 ton 4WD, util bed	2007	8	50,000	6,250	2015
455	WA-703	Loader	2000	15	150,000	10,000	2015
422	WA-704	Unloader	2000	15	45,000	3,000	2015
802	SE-501	Truck-Dump, 4WD	2007	9	130,000	14,444	2016
436	SE-901	Air Compressor	2001	15	20,000	1,333	2016

TRANSFER TO EQUIPMENT DEPRECIATION FUND

Equip. #	Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
523	WA-705	Backhoe, Heavy Track	2001	15	250,000	16,667	2016
428	WA-902	Air Compressor	2001	15	20,000	1,333	2016
776	PS-403	Truck-Pickup, 1 ton 4WD, util bed	2007	10	50,000	5,000	2017
987	SE-904	Sewer Washer	2010	7	40,000	5,714	2017
677	WA-701	Backhoe	2005	12	125,000	10,417	2017
866	PS-402	Truck-Pickup, 1 ton 4WD, util bed	2008	10	50,000	5,000	2018
867	SE-403	Truck-Pickup, 1 ton 4WD, util bed	2008	10	50,000	5,000	2018
864	SE-702	Excavator, Mini with Trailer	2008	10	70,000	7,000	2018
897	SE-404	Truck-Pickup, 1 ton 4WD, util bed	2009	10	50,000	5,000	2019
822	SE-701	Backhoe	2007	12	125,000	10,417	2019
954	WA-501	Truck-Dump, Standard	2010	9	120,000	13,333	2019
579	WA-601	Asphalt Milling Machine	2004	15	71,000	4,733	2019
698	PS-902	Sewer Pump	2005	15	74,000	4,933	2020
	SE-404A	Sewer TV System	2012	8	100,000	12,500	2020
1051	UT-401	Truck-Pickup, 1/2 ton 4WD	2013	8	30,000	3,750	2021
1099	SE-401	Truck-Pickup, 1 ton 4WD util bed	2014	8	50,000	6,250	2022
1096	UB-401	Truck-Pickup, 1/2 ton 4WD	2014	8	30,000	3,750	2022
1097	UT-402	Truck-Pickup, 1/2 ton 4WD	2014	8	30,000	3,750	2022
956	WA-502	Truck-Dump, Tandem	2010	12	130,000	10,833	2022
1062	SE-502	Sewer Truck-Combo Washer/Vax	2013	10	400,000	40,000	2023
1106	SE-703	Loader, Track	2013	10	300,000	30,000	2023
1041	WA-706	Excavator, Mini with Trailer	2013	10	70,000	7,000	2023
		Fund Total:			\$2,755,000	\$263,034	

Grand Total: \$17,165,850 \$1,543,766

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Technology

Project Title: Technology Replacement

Project Location: All except Transit

Project Status: On-going

Description and Justification:

This project will allocate funds to allow the Technology Department to replace 20% of the existing desktop and laptops used by staff. There are currently 160 computers in use by town departments that are targeted by this fund for replacement. In addition this will fund the replacement of printers, wireless equipment, and various components of the Town network. This project will also fund new servers that are needed to support enterprise applications. This fund does not cover computers for the Transit and Water and Sewer Funds, or the AS400 system or any AS400 peripherals.

Cost Breakdown:

Desktop computer: \$1,050 – replaced every 5 years
 Laptop computer: \$1,250 – replaced every four years
 Printer: \$ 600 – replaced as needed
 Servers: \$10,000 per server

Below is the anticipated technology replacement schedule for the next five years:

Year	Desktop	Printer	Server	Other	Total
2015	\$50,000	\$3,000	\$20,000	\$20,000	\$93,000
2016	\$40,000	\$3,000	0	\$20,000	\$63,000
2017	\$40,000	\$3,000	0	\$20,000	\$63,000
2018	\$40,000	\$3,000	0	\$20,000	\$63,000
2019	\$40,000	\$3,000	0	\$20,000	\$63,000

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	Continuing	\$93,000	\$93,000	\$63,000	\$63,000	\$63,000	\$63,000	\$345,000	Continuing
Total	Continuing	\$93,000	\$93,000	\$63,000	\$63,000	\$63,000	\$63,000	\$345,000	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Technology

Project Title: Fiber Optic Network

Project Location: All

Project Status: New

Description and Justification:

This is an aggregation of fiber optic needs for all town departments for the next 2-3 years. These projects have a life of 20-30 years and can be bond funded.

FY2015:

- a. Build fiber from Fire Station 3 to Town Hall. \$50,000
- b. Build redundant fiber link to Recreation Center. \$30,000
- c. Build conduit and fiber in down town sidewalk improvement projects. \$15,000
- d. Add funding to complete fiber to Fire Station 3. \$25,000
- e. Build fiber to new Rescue Facility. \$25,000

FY2016:

- a. Redundant fiber link from Fire Station 1. \$20,000
- b. Build fiber to Clay Street water tank. \$20,000
- c. Build fiber to North Main St water tank. \$20,000
- d. Build fiber to Highland Park water tank and Fiber hub on Main St. near Cookout. \$20,000

FY2017

- a. Build fiber and conduit for expanding outdoor wireless systems and to traffic signals. \$50,000
- b. Build fiber to Montgomery County 911 Center in Christiansburg. \$100,000

FY2018

None identified yet

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Obligation Bond	\$425,000	\$45,200	\$145,000	\$80,000	\$150,000			\$375,000	\$60,000
Total	\$425,000	\$45,200	\$145,000	\$80,000	\$150,000			\$375,000	\$60,000

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Technology

Project Title: Digital Telephone System - Voice Over IP Telephone System (VOIP)

Project Location: All except Transit

Project Status: New

Description and Justification:

This project is to replace the existing Verizon Centrex telephone system with a Voice Over Internet Protocol (VOIP) system. The anticipated ROI on this project is 5 years.

Onetime costs for this project are the following:

- Telephone system licenses. \$30,000
- Handsets – quantity 200 at \$350 each. \$70,000
- Routers for 911 on-site dialing for most town buildings – quantity 15 at \$2000 each. \$30,000
- Voicemail and Unified Communications licensing. \$15,000
- Installation and consulting fees. \$25,000
- Staff training. \$10,000

Recurring Costs (annual cost):

- Support for moves, adds, changes, system upgrades and maintenance. \$10,000
- Telephone trunk line (PRI) circuits. Quantity 3 @ \$500 a month. \$18,000
- Licensing and software maintenance. \$7,500
- Additional \$1,500 per year to replaced damaged handsets

Options:

- Overhead paging and emergency alerting (panic button) with IPCelerate. \$10,000

This will eliminate the need for separate telephone wiring for future office space construction.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$180,000		\$90,000	\$90,000				\$180,000	
Total	\$180,000		\$90,000	\$90,000				\$180,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Technology

Project Title: Licensing Update - Servers

Project Location: All except Transit

Project Status: New

Description and Justification:

This project will allocate funding for Microsoft software and licensing as described below:

1. License the software running on our virtual servers. Quantity 35
2. Purchase client licenses for computers and mobile devices for servers. Quantity 250
3. Purchase license to upgrade our database servers to the latest version. Quantity 5
4. Purchase client licenses for database servers. Quantity 10

Cost Break down follows:

Microsoft Server 2012 Software License – quantity 35	\$ 35,000
Microsoft Server 2012 Client License – quantity 250	\$ 7,500
Microsoft SQL Database 2012 server license – quantity 5	\$ 3,500
Microsoft SQL Database 2012 server client license – quantity 10	\$ 2,000

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$48,000		\$48,000				\$20,000	\$68,000	
Total	\$48,000		\$48,000				\$20,000	\$68,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Technology

Project Title: SAN Upgrade/Replacement

Project Location: All

Project Status: On-going

Description and Justification:

In one year – FY2016 – we will need to add additional storage to our SAN system. The growth of data in our organization is dictating the need for this additional storage. SAN data storage systems have a 5 year life. Cost FY2016: \$56,000

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$178,740	\$66,740		\$56,000			\$56,000	\$112,000	\$56,000
Total	\$178,740	\$66,740		\$56,000			\$56,000	\$112,000	\$56,000

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM PROJECT DETAIL SHEET

Department: Town Manager's Office
Project Title: Emergency Preparedness Equipment
Project Location: Various

Project Status: New

Description and Justification:

This project provides funding for various needs identified by the Emergency Preparedness Committee. Funding is provided in priority order as determined by the Committee. Funding is included for the installation of emergency generators at Public Works and the Community Center in FY 2016/17 and FY 2017/18, respectively. The generator for Public Works replaces an aging unit and the Community Center generator is a new one.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund					\$60,000	\$75,000		\$135,000	
Total					\$60,000	\$75,000		\$135,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Town Manager's Office

Project Title: Five Chimneys Landscaping Master Plan

Project Location: Five Chimneys Property

Project Status: New

Description and Justification:

This project funds the next phase in the Five Chimneys Landscape Master Plan that was previously approved and funded. The project will include renovation of existing brick pathways, installation of new brick paver interior pathways, replacement of the existing pedestrian bridge, and new pathways to connect up with the Bicentennial Trail.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$88,000	\$30,000			\$58,000			\$58,000	
Total	\$88,000	\$30,000			\$58,000			\$58,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Town Manager's Office

Project Title: Black House Landscape Improvement Design

Project Location: Draper Road

Project Status: New

Description and Justification:

The Alexander Black House is under renovation and completion is anticipated in spring 2014. The grounds between the Black House and the Thomas Connor House present another opportunity for the Town to create a significant outdoor gathering space to serve the downtown, as well as to use for event space.

This project funds the design of the landscape in 2014/15. The cost of the landscaping work will be submitted pending the completion and approval of a landscape plan.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund			\$30,000					\$30,000	
Total			\$30,000					\$30,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Housing and Neighborhood Services

Project Title: Downtown Parking Improvements

Project Location: Downtown

Project Status: New

Description and Justification:

The downtown parking improvements will assist the Town of Blacksburg more effectively manage parking in the downtown. Funding for this project will allow for the installation of parking pay stations in the downtown in identified areas. The pay stations will reduce clutter through the reduction of individual meter poles. Pay stations will also allow for a more streamlined collection process and increase enforcement efficiency. The costs include adding pay stations at the three public parking lots downtown during the first year (Progress Street, Market Square Park, and Church Street) followed by on street parking spaces in future years as deemed appropriate by the parking study currently being conducted.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$272,000	\$20,000	\$40,000	\$50,000	\$53,000	\$54,000	\$55,000	\$252,000	
Total	\$272,000	\$20,000	\$40,000	\$50,000	\$53,000	\$54,000	\$55,000	\$252,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Housing and Neighborhood Services

Project Title: Progress Street Corridor Improvement Project (Visioning and Planning Phase)

Project Location: Bennett Hill/Progress Street Neighborhood

Project Status: New

Description and Justification:

The Housing and Neighborhood Services Office in partnership with various other Town departments will begin a visioning and planning phase for a neighborhood improvement project along the Progress Street corridor between Main Street and Jackson Street.

Funding for this project will allow the initial visioning and planning process to begin with the identification of possible infrastructure, housing, and neighborhood improvements. The initial visioning and planning process will also define the scope and magnitude of the project. Improvements may include streetscape, curb and gutter, sidewalks, stormwater management, water, sewer, and housing rehabilitation needs. This plan will be the foundation for a well thought out future CIP project along the Progress Street corridor.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$30,000				\$30,000			\$30,000	
Total	\$30,000				\$30,000			\$30,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Community Relations Office

Project Title: Council Chambers Equipment Upgrade

Project Location: 300 South Main Street

Project Status: New

Description and Justification:

This project request is for a High Definition (HD) upgrade to the production equipment in the Town Council Chambers. This would include such upgrades as new cameras, switcher, projection system and HD compatible video server, making the station fully HD capable. High definition will be a broadcast standard in the next 5-10 years, so this project would lay the ground work to prepare the Town for this transition. Ultimately this upgrade would have a tremendous impact on the production quality of both televised and online programming.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$65,000					\$65,000		\$65,000	
Total	\$65,000					\$65,000		\$65,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Community Relations Office

Project Title: Website Improvement Project (Town of Blacksburg, Blacksburg Transit, Police Department)

Project Location: Online

Project Status: New

Description and Justification:

This project would upgrade the Town of Blacksburg and Blacksburg Transit content management systems and provide improved graphic design for both sites, using existing navigation. The project would also provide a new design theme specifically for the Police Department, allowing greater flexibility and autonomy of design, but within the primary navigation of the Town site. The upgrades will provide for improved citizen communication and integration with other citizen engagement tools presently used by the Town.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$55,000		\$55,000					\$55,000	
Total	\$55,000		\$55,000					\$55,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Town Manager / Museum

Project Title: Old Town Hall Design and Restoration

Project Location: 141 Jackson Street

Project Status: New

Description and Justification:

It is anticipated that when the Blacksburg Museum and Cultural Foundation moves out of Old Town Hall, the building would be renovated and leased to a yet to be identified non profit for the purpose of promoting and furthering the arts in our community. The selection of the nonprofit would likely take place through a request for proposals process. The building needs modification to restore the original open format of the building, and to upgrade systems (roof, HVAC, heating, plumbing, and electrical). Costs include design and construction.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Obligation Bond	\$364,000				\$364,000			\$364,000	
Total	\$364,000				\$364,000			\$364,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Housing and Neighborhood Services

Project Title: Grissom Lane & Nellies Cave Road Sidewalk Improvements

Project Location: Grissom Lane & Nellies Cave Road

Project Status: New

Description and Justification:

The Housing and Neighborhood Services Office will bid out work for the completion of sidewalks along the south side of Nellies Cave Road from the intersections of Grissom Lane to Shelor Lane. This area has been identified as a high priority by the Town's Corridor Committee. Sidewalk will also be completed from the middle of Grissom Lane between Landsdowne Street and Marlinton Street to the intersection of Grissom Lane with Nellies Cave Road. Both of these sidewalk connections are an extension of feedback received at neighborhood meetings from Community Housing Partners affordable senior housing project located on Grissom Lane. Funding is split evenly between CDBG and VDOT revenue sharing. If the Town does not receive revenue sharing funds for the project CDBG funds will pay for 100% of the project costs.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
CDBG	\$80,000		\$80,000					\$80,000	
Revenue Sharing	\$80,000		\$80,000					\$80,000	
Total	\$160,000		\$160,000					\$160,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Engineering and GIS

Project Title:

Project Location: Engineering and GIS

Project Status: There are no projects for the Urban Construction Initiative Fund in this Recommended Capital Improvement Program.

Description and Justification:

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2017/17	2017/18	2018/19	Current 5-Year Total	Future Years
Total									

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Public Works

Project Title: Road Hazard Mitigation

Project Location: Town Wide

Project Status: In Progress

Description and Justification:

This project provides funding to correct serious traffic safety hazards in the right-of-way that include, but are not limited to, road shoulders with inadequate clear zones; road shoulders with drop-offs that exceed VDOT standards for the requirement for guardrails; and obstructions such as road humps, earthen banks, 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; however, they are not limited to rural areas. Most of these hazards may be mitigated using Public Works department labor and equipment, and this funding will primarily be focused on materials such as guardrails and pavement. However, there may be instances where contracted labor and equipment will be required depending on the intensity and time sensitivity of the required mitigation work.

Funding in FY 2015 through FY 2019 is maintained at a level of \$70,000 to be available to address serious hazards that come to the Town's attention throughout the year that are beyond the availability of departmental maintenance resources (\$20,000 is anticipated for new guardrails and \$50,000 is trimming of trees and other plantings that encroach upon the right of way). VDOT Revenue Sharing program funding will be pursued for 50% of the annual hazard mitigation costs. Opportunities to use Public Works department labor and equipment resources as the Town's 50% match will be pursued to reduce the General Fund allocation requirement.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund			\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$175,000	
Revenue Sharing		\$25,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$175,000	
Total		\$25,000	\$70,000	\$70,000	\$70,000	\$70,000	\$70,000	\$350,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Public Works

Project Title: Sidewalk Trip Hazard Removal

Project Location: Town Wide

Project Status: In Progress

Description and Justification:

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 ½ inch to 2 ½ inches. Trip hazard removal projects bring sidewalks into compliance with ADA and OSHA standards at a lower cost than full replacement. This project is eligible for a VDOT Revenue Sharing match.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	Continuing	\$25,000	\$12,500	\$12,500	\$12,500	\$12,500	\$12,500	\$62,500	Continuing
Revenue Sharing	Continuing	\$25,000	\$12,500	\$12,500	\$12,500	\$12,500	\$12,500	\$62,500	Continuing
Total	Continuing	\$50,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Public Works

Project Title: Curb, Gutter, and Sidewalk Replacement

Project Location: Town Wide

Project Status: In Progress

Description and Justification:

This project funds 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 according to the attached schedule. The funds in this account are to cover material costs and are not associated with Town labor or equipment costs that are used as in-kind matches.

- Penn Street (Washington St. to Clay St.)
- Roanoke Street (Draper Rd to Wharton St.)
- Washington Street (Church St. to Wharton St.)

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Funds	Continuing	Continuing	\$31,000	\$31,000	\$31,000	\$31,000	\$31,000	\$155,000	Continuing
Revenue Sharing	Continuing	Continuing	\$31,000	\$31,000	\$31,000	\$31,000	\$31,000	\$155,000	
Total	Continuing	Continuing	\$62,000	\$62,000	\$62,000	\$62,000	\$62,000	\$310,000	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Public Works

Project Title: Traffic Signal Emergency Power Supply

Project Location: Town Wide

Project Status: In Progress

Description and Justification:

This project provides funding to complete the installation of natural gas backup generators and disconnects to the signalized intersections town-wide. This emergency power supply will ensure normal operation of traffic signals during extended power outages and will keep police officers out of intersections and on their normal duties. The systems cost approximately \$11,000 per intersection with work done by Public Works with gas connections provided by the utility company. VDOT revenue sharing money is available to match funds.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$88,000	\$44,000	\$44,000					\$44,000	
Revenue Sharing	\$88,000	\$44,000	\$44,000					\$44,000	
Total	\$176,000	\$88,000	\$88,000					\$88,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM PROJECT DETAIL SHEET

Department: Public Works
Project Title: Major Roadway Repaving
Project Location: Town Wide

Project Status: New

Description and Justification:

For the first time, in 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.

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

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	Continuing	\$69,643	\$225,000	\$225,000	\$225,000	225,000	\$225,000	\$1,125,000	
Revenue Sharing	Continuing	\$69,643	\$225,000	\$225,000	\$225,000	225,000	\$225,000	\$1,125,000	
Total	Continuing	\$139,286	\$450,000	\$450,000	\$450,000	450,000	\$450,000	\$2,250,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Engineering and GIS

Project Title: University City Boulevard Improvements/Repairs

Project Location: University City Boulevard - 1100 to 1200 Block

Project Status: New

Description and Justification:

This section of University City Boulevard has exhibited extensive pavement cracking over time. Repairs to correct this cracking have included milling and overlaying of the existing pavement. The pavement cracking has continued to be an issue even after the milling and overlaying repairs. Preliminary subsurface investigations indicate that the milling operations over time have removed too much pavement and stone base. This has created a weak pavement structure therefore causing the cracking. Preliminary engineering reports indicate that the soil subgrade is adequate however the soil is highly susceptible to moisture changes.

Also, University City Boulevard has a high traffic volume that includes a higher percentage of bus traffic as there are several multi-family housing complexes located on the street that are mainly student housing and there is a high volume of Blacksburg Transit users. Due to the unusual traffic conditions such as the bus traffic, slow speeds, bus pull-offs, and sharp curves, the preliminary engineering reports indicate that improvements to the subgrade and pavement structure are needed to correct the pavement cracking issue.

In addition, the street is winding and slopes to the outside of the curves, thus increasing the potential for cars to slide in slippery roadway conditions. This project will correct the roadway cross-slope to improve safety.

This project will include a complete re-construction of this section of the street with improvement to the subgrade to facilitate drainage (since the soils are susceptible to moisture), re-design and installation of a stronger stone base and pavement section, and re-construction of the sidewalk and curb and gutter since street elevations are likely to change.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Revenue Sharing	\$750,000		\$750,000					\$750,000	
General Obligation Bond	\$750,000		\$750,000					\$750,000	
Total	\$1,500,000		\$750,000					\$1,500,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Engineering & GIS

Project Title: New Traffic Signals and Signal Replacement

Project Location: Various

Project Status: New

Description and Justification:

The Virginia Department of Transportation administers a Revenue Sharing program under which local dollars are matched with state funds to accomplish eligible roadway and transportation improvements. The Town has received funding under this program to accomplish new construction and rebuilding of sidewalks, new construction and upgrade of traffic signals, Huckleberry Trail construction, roadway drainage improvements, and other related projects.

This project funds the design and construction of traffic signals, such as new signals where traffic conditions warrant a signal, and replacement signals where pedestrian crossing improvements or other technology and reliability updates are needed.

The first year's funding is intended to complete the installation of a traffic signal at the intersection of Hethwood Boulevard and Prices Fork Road.

Subsequent year's funding is included for the replacement and upgrade of the following traffic signals:

1. Glade Road and University City Boulevard
2. North Main and Patrick Henry Drive.

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

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Obligation Bond	\$600,000		\$200,000	\$200,000	\$200,000			\$600,000	
Revenue Sharing	\$600,000		\$200,000	\$200,000	\$200,000			\$600,000	
Total	1,200,000		\$400,000	\$400,000	\$400,000			\$1,200,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Engineering and GIS

Project Title: Research Center Drive Improvements

Project Location: Research Center Drive-2100 to 2400 Block

Project Status: New

Description and Justification:

This project involves approximately 1,250 linear feet of road improvements from the terminus of the VDOT improvement project for Research Center Drive to the VCOM parking lot entrance located on Research Center Drive. The improvements include construction of a left turn lane from Research Center Drive onto Kraft Drive, curb and gutter on the east and west sides of Research Center Drive, and an 8 foot wide multi-use trail along the east side of Research Center Drive. The multi-use trail will tie into the existing trail located at South Knollwood Drive.

Match funding for this revenue sharing project has been offered by VCOM, and has been requested of CRC. Partnership with these entities will enable a significant improvement to be made on this important roadway.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Revenue Sharing	\$300,000		\$300,000					\$300,000	
VCOM, CRC	\$200,000		\$200,000					\$200,000	
General Obligation Bond	\$100,000		\$100,000					\$100,000	
Total	\$600,000		\$600,000					\$600,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Engineering & GIS

Project Title: Draper Road Streetscape Improvements

Project Location: Draper Road

Project Status: New

Description and Justification:

The Virginia Department of Transportation administers a Revenue Sharing program under which local dollars are matched with state funds to accomplish eligible roadway and transportation improvements. The Town has received funding under this program to accomplish new construction and rebuilding of sidewalks, new construction and upgrade of traffic signals, Huckleberry Trail construction, roadway drainage improvements, and other related projects.

This project funds the design and construction of widened sidewalks and streetscape improvements to include street lighting on Draper Road between College Avenue and Washington Street. 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.

The first year's funding is intended to complete the walkway in front of the Alexander Black House, which will be renovated this year. In addition, design of the Draper Road Streetscape blocks between Lee and College is proposed in the first year. The following year funds the installation of that streetscape.

When complete, these projects and this streetscape will significantly enhance the pedestrian experience and the vibrancy of the downtown.

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

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund						\$30,000		\$30,000	
General Obligation Bond							\$500,000	\$500,000	
Revenue Sharing						\$30,000	\$500,000	\$530,000	
Total						\$60,000	\$1,000,000	\$1,060,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Parks & Recreation

Project Title: Trail – Willard Drive to Palmer Drive

Project Location: Willard Drive to Palmer Drive

Project Status: New

Description and Justification

This project will continue the asphalt walking trail from Willard Drive to Palmer Drive on the golf course adjacent to Cohee Road. This 8' wide off road trail will act as a greenway connection to the South Main Street shopping area.

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

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund	\$57,000		\$57,000					\$57,000	
Revenue Sharing	\$57,000		\$57,000					\$57,000	
Total	\$114,000		\$114,000					\$114,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Parks & Recreation

Project Title: Huckleberry Trail Extension – Downtown

Project Location: Library to Miller Street Alley

Project Status: New

Description and Justification

This project will extend the asphalt Huckleberry Trail from the circular terminus at the Draper Road side of the Library, across Draper Road to the Miller Street alley. This 8-10' wide off road trail will act as a greenway connection from the original Huckleberry Trail to Main Street and the Trail planned extension across the old Blacksburg Middle School property.

The local match for this grant is Public Works labor and equipment.

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

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
General Fund									
Revenue Sharing	\$50,000		\$50,000					\$50,000	
Total	\$50,000		\$50,000					\$50,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Finance (Utility Billing)

Project Title: Meter Maintenance and Replacement

Project Location: Town Wide

Project Status: Continuing

Description and Justification:

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 now over fifteen 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 of the batteries of the MXU's (meter transceiver unit); replacement for erosion and environmental stressors for the ECR (encoded communications register) and also replacement of 1 and 2 inch meters. The annual amount has been reviewed to allow the replacement of the meters with the newest models that are available.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Water/Sewer Fund	Continuing	\$407,526	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000	Continuing
Total	Continuing	\$407,526	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Finance (Utility Billing)

Project Title: Radio Read Vehicle Transceiver Unit (VXU) Replacement/Upgrade

Project Location: Town Wide

Project Status: Continuing

Description and Justification:

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 at the end of FY 2011/12. 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.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Water/Sewer Fund	Continuing	\$28,000					\$35,000	\$35,000	Continuing
Total	Continuing	\$28,000					\$35,000	\$35,000	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Engineering and GIS Department

Project Title: Coal Bank Ridge Bladder Tank

Project Location: Treetop Ridge Road

Project Status: New

Description and Justification:

The water system servicing Coal Bank Ridge is equipped with pumps to provide adequate pressures for residents. The system was designed with a bladder tank to decrease the number of times the pumps turn on and off to maintain pressures, which reduces wear on the pumps. As the development approaches full build out the demand on the pumps will increase and a larger bladder tank will be required.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Water/Sewer Fund	\$97,400	\$16,000	\$81,400					\$81,400	
Total	\$97,400	\$16,000	\$81,400					\$81,400	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Engineering and GIS Department

Project Title: Neil Street Water Pump Station

Project Location: Neil Street

Project Status: New

Description and Justification:

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

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

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Water/Sewer Fund	\$455,750		\$30,000	\$100,000	\$325,750			\$455,750	
Total	\$455,750		\$30,000	\$100,000	\$325,750			\$455,750	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Engineering and GIS Department

Project Title: Water Tank Inspections

Project Location: Water Tanks at five locations

Project Status: Continuing

Description and Justification:

The Virginia Department of Health recommends water storage tanks be inspected every five years by a qualified tank inspector. These periodic inspections help to ensure maintenance and operational issues are addressed for continued delivery of safe domestic drinking water, fire protection services, and emergency storage. Five-year inspections should follow the AWWA D101-53 standard for tank inspections.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Water/Sewer Fund	\$37,500			\$37,500				\$37,500	
Total	\$37,500			\$37,500				\$37,500	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Engineering and GIS

Project Title: Phase III - Huckleberry Trail Extension to Linwood Lane - Waterline Extension

Project Location: Linwood Lane

Project Status: New

Description and Justification:

A water main extension was constructed as a part of the Phase II Huckleberry Trail Extension project. The Phase II project extended a water main from the Prices Fork Fire Station to the terminus of the Phase II Huckleberry Trail on the Virginia Tech Moore Farm property. The Town has obtained a grant from the Department of Conservation and Recreation to extend the Huckleberry Trail from the terminus on the Moore Farm to an existing trail located on Linwood Lane.

A previous Capital Improvement Project extended a water main along Linwood Lane and the main terminated in a dead-end in Linwood Lane. This water main extension will tie into the water main on Linwood Lane and decrease the length of the dead-end main. This extension will provide an additional loop between the water mains in Prices Fork Road and Glade Road. Water age in this area will be decreased and water quality will be improved.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Water/Sewer Fund	\$259,829		\$23,000	\$236,829				\$259,829	
Total	\$259,829		\$23,000	\$236,829				\$259,829	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Engineering and GIS Department

Project Title: Data Logging Equipment for Water System

Project Location: Town Wide

Project Status: Continuing

Description and Justification:

This project continues the installation of remote logging equipment throughout the Town's water distribution system. Loggers are currently being installed at the water tanks, Capital funds from FY 2012/2013 are still being expended in this installation effort. This project funds the installation of remote loggers in the Town's water booster stations and Water Storage Tanks: Allegheny, Coal Bank Ridge, and Triangle pump station. Information collected by the loggers will be useful for calibrating the Town's Water Model, troubleshooting, identifying potential problems within the distribution system, and remote monitoring of the pump stations. The loggers will interface with the Town's existing data warehouse that is housed in the Engineering and GIS department.

The Town is already utilizing similar technology at the sanitary sewer pumping stations to obtain information.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Water/Sewer Fund	\$81,394	\$51,394	\$15,000	\$15,000				\$30,000	
Total	\$81,394	\$51,394	\$15,000	\$15,000				\$30,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Engineering and GIS Department

Project Title: Data Logging Equipment for Wastewater System

Project Location: Town Wide

Project Status: In Progress

Description and Justification:

This project is to continue the installation of remote logging equipment throughout the Town’s wastewater pump stations and collection system as identified by the Town’s wastewater working group for the upcoming fiscal year initiatives. To date loggers have been installed at 12 out of the 25 wastewater pump stations, capital funds from the 2012/2013 are still being expended in this installation effort. The funds being requested will be used to install remote loggers in the remaining wastewater pump stations: Karr Heights, Shawnee, Shenandoah #2, Sturbridge Square, Toms Creek #1, Toms Creek #2, Westover Hills, and Windsor Hills. Loggers will be installed by the Public Works Licensed Electrician and will interface with the Town’s existing data warehouse that is housed in the Engineering and GIS department and allow continuous capacity monitoring and is being incorporated into the Public Works Department alarming system.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Water/Sewer Fund	\$38,600	\$18,100	\$20,500					\$20,500	
Total	\$38,600	\$18,100	\$20,500					\$20,500	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Planning and Engineering

Project Title: Hospital Pump Station and Collection System Upgrade

Project Location: West Stroubles Sewer Shed

Project Status: Continuing

Description and Justification:

This project includes funding for: (1) engineering services, (2) construction costs to upgrade the existing pump station with equalization, and (3) construction costs to rehabilitate existing gravity sewer lines in the sewer shed to reduce sources of infiltration and inflow. The town wide sewer study (Phase II from Wiley and Wilson Inc.) identified this pump station as a priority for upgrades due to historic overflows during rain events. Flow and pump performance data collected at the station over the last three years, through the Engineering Department's remote monitoring system, shows that the rated capacity of the station is exceeded during routine rain events. The growth of the area around the Montgomery Regional Hospital over the last three years has increased the average daily flows into the pump station. This project will remedy capacity and condition issues associated with this pumping station for a projected 25 year time frame.

Funding for Preliminary Engineering was approved in FY 2010/2011 and additional construction funds were approved in FY 2012/2013 in anticipation of a construction project to upgrade the existing pumping station at the current location. A future funding request to rehabilitate the collection lines, and manholes in the sewer shed was proposed for 2013/2014. During the past FY preliminary engineering analysis of the pump station by the consultant (Wiley and Wilson) identified significant issues associated with the ability to upgrade the station at the current location for the original CIP budget and recommended that rehabilitation of the sewer shed be performed prior to finalizing the pump station upgrades. This CIP request is for funds that were requested in previous CIP funding requests to cover the costs for the collection system and pump station upgrades.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Water/Sewer Fund	\$1,030,000	\$675,000	\$355,000					\$355,000	
Total	\$1,030,000	\$675,000	\$355,000					\$355,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Engineering and GIS Department

Project Title: Alleghany Water Tank Rehabilitation

Project Location: 905 Clay Street

Project Status: New

Description and Justification:

An evaluation of the Alleghany Water Tank was performed by Tank Industry Consultants as part of the five year inspection cycle recommended by the Virginia Department of Health. The evaluation concluded the tank interior requires recoating to address corrosion concerns, exterior requires spot cleaning and topcoat application, and deteriorating foundation needs repair. The typical life cycle for a properly applied coating system is 15-20 years; Alleghany Tank was last repainted in 1996.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Water/Sewer Fund	\$309,000				\$309,000			\$309,000	
Total	\$309,000				\$309,000			\$309,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM PROJECT DETAIL SHEET

Department: Engineering and GIS Department
Project Title: University City Boulevard Water Main Replacement
Project Location: 1200 Block University City Blvd.

Project Status: New

Description and Justification:

The existing six inch cast iron water main located in the 1200 Block of University City Boulevard is of substandard condition resulting in numerous leaks and maintenance issues. Replacing the main to current Town of Blacksburg Water Standards would improve quality and reliability of water system in that part of town.

Engineering has submitted a CIP request for road improvements and repairs in the same section of University City Boulevard, which presents an opportunity to replace the water main.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Water/Sewer Fund	\$165,000		\$165,000					\$165,000	
Total	\$165,000		\$165,000					\$165,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Public Works

Project Title: Fire Hydrant Replacement

Project Location: Town Wide

Project Status: On-going

Description and Justification:

This project provides on-going funding to upgrade aging fire hydrants. These old hydrants are a high risk during exercising and flushing activities to potential water main breaks and leaks. With over 1000 hydrants currently in service, under this project, hydrants will be evaluated for replacement annually as determined by their age and maintenance record.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Water/ Sewer Fund	Continuing	\$120,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$150,000	Continuing
Total	Continuing	\$120,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$150,000	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Public Works

Project Title: Sanitary Sewer CMOM Program

Project Location: Town Wide

Project Status: On-going

Description and Justification:

This project funds consulting services to assist with incorporating work process flows in the Capacity Management Operations and Maintenance (CMOM) program to meet EPA reporting requirements.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Water/Sewer Fund	\$35,000		\$35,000					\$35,000	
Total	\$35,000		\$35,000					\$35,000	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Public Works

Project Title: Sanitary Sewer Lining and Pipe Bursting for I & I Abatement

Project Location: Town Wide

Project Status: On going

Description and Justification:

This project provides on-going annual 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 as prioritized in the Sewer Work Group and as identified through maintenance and operations.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Water/Sewer Fund	Continuing		\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000	Continuing
Total	Continuing		\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Public Works

Project Title: Water Main Replacements

Project Location: Town Wide

Project Status: In Progress

Description and Justification:

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 15 years of age, and have corroded to a stage that severely restricts the flow. In many cases, over ½ of the inside diameter is blocked by corrosion. A project list is attached.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/018	2018/19	Current 5-Year Total	Future Years
Water/ Sewer Fund	Continuing	Continuing	\$150,570	\$122,850	\$143,850	\$121,440	\$103,320	\$642,030	Continuing
Total	Continuing	Continuing	\$150,570	\$122,850	\$143,850	\$121,440	\$103,320	\$642,030	Continuing

**Water Main Replacement Projects
FY 2014/15-2018/19**

Streets to be Effectuated	From	To	(feet) Length	Cost	Comments
FY 2014/2015					
Allendale Ct	Edgewood	Cul-de-sac	285	\$11,970	
Roanoke St	Orchard	west 800 feet	800	\$33,600	
Davis St			1000	\$42,000	Loop 8-inch line
Gardenspring Dr			1500	\$63,000	Replace Plastic line
TOTAL			3585	\$150,570	
FY 2015/16					
Dickerson Ln	Northview	Franklin Dr	1200	\$50,400	Replace 2-inch line
Falcon Dr	Univ. Blvd	Appalachian Dr	525	\$22,050	
Franklin Dr	Giles	Northview	1200	\$50,400	Replace 2-inch line
TOTAL			2925	\$122,850	
FY 2016/17					
Laurel Drive	High Ridge	End	2050	\$86,100	
High Ridge Drive	Laurel	End	925	\$38,850	
East Ridge Drive	Laurel	End	2500	\$105,000	Replace 4-inch line
TOTAL			3425	\$143,950	
FY 2017/2018					
Elizabeth Dr	Broce Dr	Broce Dr	2130	\$89,460	
Golfview Dr	Broce Dr	Cul-de-sac	360	\$14,760	
Summit Dr	Broce Dr	Cul-de-sac	420	\$17,220	
TOTAL			2910	\$121,440	
FY 2018/2019					
Greenwood Drive	Forest Hills	Shelor Lane	935	\$39,270	
Neillies Cave Road	Shelor Lane	Town Limits	900	\$37,800	
Cranwell Circle	Grissom lane	Cul-da-sac	625	\$26,250	
TOTAL			2460	\$103,320	
TOTAL FY 2014/15 TO FY 2018/19:				\$642,030	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Transit

Project Title: Blacksburg Downtown Trolley

Project Location: Town of Blacksburg

Project Funding Source: FTA (federal) / DRPT (state) / Town of Blacksburg (local)

Project Status: New

Description and Justification:

This project provides funding to begin a trolley service in FY2019 connecting major commercial cores in Blacksburg. The service would transport passengers between Downtown Blacksburg, the First and Main Shopping Center and University Mall. Three trolleys would be purchased using a combination of federal, state and local funding. A Public/Private partnership will be pursued to fund the local portion of the capital and operating costs.

FY2019 – Purchase of three hybrid-electric Gillig Trolleys (two for service, one spare). These trolleys would be used to begin the new Downtown Trolley service as described above.

The total annual cost to operate the Downtown Trolley service is expected to range from \$250,000 to \$500,000 depending on the amount of service provided. Local match is determined based on the availability of federal and state funds at the time of request. Local funding to support both the capital and operating costs must be identified prior to the project's launch.

As with all transit capital projects, if grants are unavailable the project may be deferred.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Federal	\$2,082,915						\$2,082,915	\$2,082,915	Continuing
State	\$260,364						\$260,364	\$260,364	Continuing
Local	\$260,364						\$260,364	\$260,364	Continuing
Total	\$2,603,643						\$2,603,643	\$2,603,643	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Transit

Project Title: Dynamic Routing and Scheduling Study

Project Location: Town of Blacksburg

Project Funding Source: FTA (federal)

Project Status: Continuing

Description and Justification:

In early FY2012, Blacksburg Transit (BT) was awarded a Transit Investment in Greenhouse Gas and Energy Reduction (TIGGER) grant totaling \$1,858,680 to fund a joint study with the Virginia Tech Transportation Institute (VTTI). The study, titled “Blacksburg Transit Dynamic Routing and Scheduling Study,” will use existing as well as new data gathering techniques to develop a proactive versus reactive approach to handling passenger loads. Simply put, BT will be able to determine how many passengers are on the bus, how many are waiting at the next stop and how quickly crowds are forming at stops. This information will help BT make better and more informed decisions regarding the need for additional buses before the need arises. The information gathered will be used to increase the operational efficiency of BT’s fleet while decreasing fuel usage and reducing the impact on the environment. BT and VTTI began work on this project in April 2013 and have made excellent progress. Data collection systems will be installed in the fall of 2013 with testing occurring in the winter of 2013. The study is expected to be completed in the summer of 2014.

In FY2016 BT anticipates applying for additional TIGGER funds to continue this project. In this phase, BT will work with VTTI to implement the routing and scheduling systems developed in the first part of this study, deploy similar technologies through the BT service area, develop better fuel usage models for transit systems and test emerging technologies. This work will build upon the systems developed and data collected in the initial study.

As with all transit capital projects, if grants are unavailable the project may be deferred.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Federal	\$2,858,680	\$1,858,680		\$1,000,000				\$1,000,000	Continuing
State									Continuing
Local									Continuing
Total	\$2,858,680	\$1,858,680		\$1,000,000				\$1,000,000	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Transit

Project Title: BT Access Bus Replacement and Expansion Program

Project Location: Blacksburg Transit Facility

Project Funding Source: FTA (federal) / DRPT (state) / Town of Blacksburg & Virginia Tech (local)

Project Status: Continuing

Description and Justification:

Blacksburg Transit (BT) has developed a replacement/expansion program for the medium duty bus (MD Bus – 500 Series), body on chassis (BOC – 50 Series) and raised roof vans, which meets local, state and federal regulations that govern public safety. The proposed schedule for bus replacement/expansion per fiscal year is as follows: FY2015 – two replacement BOCs; FY2016 – one replacement MD bus, four replacement BOCs and one expansion BOC per Transit Development Plan (TDP); FY2017 – three expansion BOCs per TDP; FY2018 – none and in FY2019 – one replacement BOC.

BT may extend the replacement schedule for certain BT Access vehicles if warranted, based on a periodic review of the following factors: mileage, condition and age. For FY2015, two replacement raised roof vans and one replacement BOC were deferred to FY2016 due to these factors.

As with all transit capital projects, if grants are unavailable the project may be deferred.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Federal	\$988,180		\$156,251	\$481,371	\$259,371		\$91,187	\$988,180	Continuing
State	\$123,523		\$19,532	\$60,171	\$32,422		\$11,398	\$123,523	Continuing
Local	\$123,523		\$19,532	\$60,171	\$32,422		\$11,398	\$123,523	Continuing
Total	\$1,235,226		\$195,315	\$601,713	\$324,215		\$113,983	\$1,235,226	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM PROJECT DETAIL SHEET

Department: Transit

Project Title: Christiansburg Bus Replacement and Expansion Program

Project Location: Town of Christiansburg

Project Funding Source: FTA (federal) / DRPT (state) / Town of Christiansburg (local)

Project Status: Continuing.

Description and Justification:

Blacksburg Transit (BT) began new expanded service in the Town of Christiansburg in 2009. Current services within the Christiansburg Town limits include the Explorer, Go Anywhere and two Commuter routes. BT has developed a replacement/expansion program for the bus fleet associated with this service which meets local, state and federal regulations that govern public safety. The proposed schedule for bus replacement/expansion per fiscal year is as follows: FY2015 – four replacement body on chassis (BOC) buses; FY2016 – two replacement medium duty BOC buses; FY2017 – one replacement BOC bus; FY2018 – none and in FY2019 – one replacement BOC bus.

BT may extend the replacement schedule for some vehicles if warranted, based on a periodic review of the following factors: mileage, condition and age.

As with all transit capital projects, if grants are unavailable the project may be deferred.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Federal	\$867,812	\$88,481	\$334,137	\$257,430	\$90,251		\$97,513	\$779,331	Continuing
State	\$115,113	\$17,696	\$41,767	\$32,179	\$11,282		\$12,189	\$97,417	Continuing
Local	\$101,841	\$4,424	\$41,767	\$32,179	\$11,282		\$12,189	\$97,417	Continuing
Total	\$1,084,766	\$110,601	\$417,671	\$321,788	\$112,815		\$121,891	\$974,165	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Transit

Project Title: Christiansburg Shelter, Amenities, Bike Rack Replacement and Expansion Program

Project Location: Town of Christiansburg

Project Funding Source: FTA (federal) / DRPT (state) / Town of Christiansburg (local)

Project Status: Continuing

Description and Justification:

Blacksburg Transit has developed a replacement/expansion amenities program to keep up with the needs of riders. The program includes: replacement parts and glass for shelters, new bus stops and shelters based on the prioritized needs, and the replacement of bike racks that are needed each year due to damage and age. Outsourcing of installation has been included in the cost per shelter.

As with all transit capital projects, if grants are unavailable the project may be deferred.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Federal	\$65,958	\$9,250	\$10,681	\$11,002	\$11,671	\$11,333	\$12,021	\$56,708	Continuing
State	\$8,360	\$1,272	\$1,335	\$1,375	\$1,459	\$1,416	\$1,503	\$7,088	Continuing
Local	\$8,128	\$1,040	\$1,335	\$1,375	\$1,459	\$1,416	\$1,503	\$7,088	Continuing
Total	\$82,446	\$11,562	\$13,351	\$13,752	\$14,589	\$14,165	\$15,027	\$70,884	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Transit

Project Title: Heavy Duty Bus Replacement and Expansion Program

Project Location: Blacksburg Transit Facility

Project Funding Source: FTA (federal) / DRPT (state) / Town of Blacksburg & Virginia Tech (local)

Project Status: Continuing

Description and Justification:

A replacement/expansion program for the base bus fleet has been developed and updated which meets the local, state and federal regulations that govern public safety. The proposed schedule for bus replacements/expansion per fiscal year is as follows:

<u>Year</u>	<u>Description</u>	<u>Number</u>	<u>Type</u>
FY2015	60' Bus	1	Replacement
FY2016	40' Bus	4	Expansion per Transit Development Plan (TDP)
	Hybrid Bus Batteries	5	Replacement
FY2017	40' Bus	1	Expansion per TDP
	Hybrid Bus Batteries	4	Replacement
FY2018	40' Bus	1	Expansion per TDP
FY2019	40' Bus	3	Replacement
	40' Bus	1	Expansion per TDP

Each bus purchase includes a spare parts package. Changes in service arising from the upcoming Transit Route Analysis may alter future capital improvement needs. Current policy stipulates that as long as adequate funding is made available by the DRPT, hybrid bus equipment should be selected for all replacement and expansion bus purchases.

As with all transit capital projects, if grants are unavailable the project may be deferred.

Project Costs and Planned Financing of Project

<u>Source of Funds</u>	<u>Total Project Estimate</u>	<u>Prior Allocation</u>	<u>2014/15</u>	<u>2015/16</u>	<u>2016/17</u>	<u>2017/18</u>	<u>2018/19</u>	<u>Current 5-Year Total</u>	<u>Future Years</u>
Federal	\$11,116,384	\$3,917,314	\$844,345	\$2,492,042	\$750,201	\$607,907	\$2,504,575	\$7,199,070	Continuing
State	\$1,678,771	\$778,888	\$105,543	\$311,505	\$93,775	\$75,988	\$313,072	\$899,883	Continuing
Local	\$1,100,323	\$200,440	\$105,543	\$311,505	\$93,775	\$75,988	\$313,072	\$899,883	Continuing
Total	\$13,895,478	\$4,896,642	\$1,055,431	\$3,115,052	\$937,751	\$759,883	\$3,130,719	\$8,998,836	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Transit

Project Title: Radio Replacement and Expansion Program

Project Location: Blacksburg Transit Facility

Project Funding Source: FTA (federal) / DRPT (state) / Town of Blacksburg & Virginia Tech (local)

Project Status: Continuing

Description and Justification:

Blacksburg Transit has developed a maintenance and expansion program for radios which includes updating the equipment to meet federal digital standards. The proposed schedule for radio replacement per fiscal year is as follows: FY2015 – one repeater, one radio recorder, eleven handheld radio replacements with remote speaker microphones, three replacement mobile radios and one radio over IP unit; FY2016 – eleven handheld radio replacements, one scanner, one repeater power supply, one multi-unit charger and two mobile radios; FY2017 – one recorder power supply and one multi-unit charger; FY2018 – one repeater with pre-selector and one multi-charger and in FY2019 – one repeater, one recorder power supply, eleven handheld radio replacements with remote speakers microphones and earbud devices.

As with all transit capital projects, if grants are unavailable the project may be deferred.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Federal	\$54,107	\$10,041	\$18,375	\$10,444	\$577	\$2,979	\$11,691	\$44,066	Continuing
State	\$6,890	\$1,381	\$2,297	\$1,306	\$72	\$373	\$1,461	\$5,509	Continuing
Local	\$6,638	\$1,129	\$2,297	\$1,306	\$72	\$373	\$1,461	\$5,509	Continuing
Total	\$67,635	\$12,551	\$22,969	\$13,056	\$721	\$3,725	\$14,613	\$55,084	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Transit

Project Title: Regional Bus Replacement and Expansion Program

Project Location: New River Valley

Project Funding Source: FTA (federal) / DRPT (state) / New River Valley Regional Partners (local)

Project Status: In planning stage

Description and Justification:

Blacksburg Transit (BT) completed a six year Transportation Development Plan (TDP) which was presented and adopted by our regional partners. The TDP provides an outline of potential future regional expansions that are being planned in the area.

Identified projects include:

In FY2016 - purchase of two expansion regional BOC buses; FY2017 - purchase of one replacement regional body on chassis (BOC) bus and one expansion regional BOC bus; FY2018 - purchase of one expansion regional BOC bus and in FY2019 - purchase of one replacement regional BOC bus and one expansion regional BOC bus.

These purchases will be used to support expanded commuter service in the New River Valley in accordance with the TDP.

As with all transit capital projects, if grants are unavailable the project may be deferred.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Federal	\$657,266			\$168,822	\$173,887	\$89,552	\$225,005	\$657,266	Continuing
State	\$82,159			\$21,103	\$21,736	\$11,194	\$28,126	\$82,159	Continuing
Local	\$82,159			\$21,103	\$21,736	\$11,194	\$28,126	\$82,159	Continuing
Total	\$821,584			\$211,028	\$217,359	\$111,940	\$281,257	\$821,584	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Transit

Project Title: Shelter, Amenities, Bike Rack Replacement and Expansion Program

Project Location: Town of Blacksburg

Project Funding Source: FTA (federal) / DRPT (state) / Town of Blacksburg & Virginia Tech (local)

Project Status: Continuing

Description and Justification:

Blacksburg Transit has developed an expansion/replacement amenities program to keep up with the needs of riders. The program includes: replacement parts and glass for shelters; new bus stops and shelters based on the prioritized needs; and the replacement of bike racks that are needed each year due to damage and age. Outsourcing of installation has been included into the cost per shelter.

As with all transit capital projects, if grants are unavailable the project may be deferred.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Federal	\$155,297	\$19,406	\$29,716	\$25,394	\$26,135	\$26,919	\$27,727	\$135,891	Continuing
State	\$19,656	\$2,669	\$3,715	\$3,174	\$3,267	\$3,365	\$3,466	\$16,987	Continuing
Local	\$19,170	\$2,183	\$3,715	\$3,174	\$3,267	\$3,365	\$3,466	\$16,987	Continuing
Total	\$194,123	\$24,258	\$37,146	\$31,742	\$32,669	\$33,649	\$34,659	\$169,865	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Transit

Project Title: Support Vehicle Replacement and Expansion Program

Project Location: Blacksburg Transit Facility

Project Funding Source: FTA (federal) / DRPT (state) / Town of Blacksburg & Virginia Tech (local)

Project Status: Continuing

Description and Justification:

Blacksburg Transit (BT) has developed a replacement program for vehicles, which meets the local, state and federal regulations that govern public safety. The proposed schedule for vehicle replacement/expansion per fiscal year is as follows:

<u>Year</u>	<u>Description</u>	<u>Number</u>	<u>Type</u>
FY2015	Operations Vehicle	1	Replacement
	Maintenance Vehicle	1	Replacement
	Administrative Vehicles	3	Replacement
FY2016	Operations Vehicles	4	Replacement
FY2017	Operations Vehicle	1	Replacement
	Administrative Vehicle	1	Replacement
FY2018	Operations Vehicle	1	Replacement
	Maintenance Vehicles	2	Replacement
FY2019	Maintenance Vehicles	2	Replacement
	Operations Vehicle	1	Expansion

BT may extend the replacement schedule for some vehicles if warranted, based on a periodic review of the following factors: mileage, condition and age. The standard replacement schedule has been extended to six years for all light duty support vehicles and eight years for heavy duty trucks (previously four years). As with all transit capital projects, if grants are unavailable the project may be deferred.

Project Costs and Planned Financing of Project:

<u>Source of Funds</u>	<u>Total Project Estimate</u>	<u>Prior Allocation</u>	<u>2014/15</u>	<u>2015/16</u>	<u>2016/17</u>	<u>2017/18</u>	<u>2018/19</u>	<u>Current 5-Year Total</u>	<u>Future Years</u>
Federal	\$555,660	\$6,400	\$131,158	\$104,596	\$69,384	\$129,742	\$114,380	\$549,260	Continuing
State	\$69,537	\$880	\$16,395	\$13,074	\$8,673	\$16,218	\$14,297	\$68,657	Continuing
Local	\$69,377	\$720	\$16,395	\$13,074	\$8,673	\$16,218	\$14,297	\$68,657	Continuing
Total	\$694,574	\$8,000	\$163,948	\$130,744	\$86,730	\$162,178	\$142,974	\$686,574	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Transit

Project Title: Technology – BT4U Project

Project Location: Blacksburg Transit Facility

Project Funding Source: FTA (federal) / DRPT (state) / Town of Blacksburg & Virginia Tech (local)

Project Status: Continuing

Description and Justification:

BT4U is in the phase 3 of the Blacksburg Transit Ridership Information Program (BTRIP). Phase 3 is centered on taking real-time bus location information collected and delivering it to riders. BT4U was deployed in the Spring of 2011 with text messaging capabilities which provided riders with next bus departure times for a particular stop; similar information can now be accessed through an interactive voice response phone system. The BT4U website has been expanded to provide riders with an interactive map that shows actual bus location, passenger load and departure times for upcoming stops. In FY2015, BT4U will add additional features to allow the public better access to ridership data. The funding in future years FY2015-2019 will provide for additional enhancements, including mobile application development, web application development and testing and evaluation of emerging technologies.

As with all transit capital projects, if grants are unavailable the project may be deferred.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Federal	\$240,000	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	\$200,000	Continuing
State	\$30,500	\$5,500	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$25,000	Continuing
Local	\$29,500	\$4,500	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$25,000	Continuing
Total	\$300,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Transit

Project Title: Technology – Data Network Project

Project Location: Blacksburg Transit Facility

Project Funding Source: FTA (federal) / DRPT (state) / Town of Blacksburg & Virginia Tech (local)

Project Status: Continuing

Description and Justification:

Blacksburg Transit (BT) relies on accurate and timely data being delivered from the vehicles. To meet system demands, a need for faster data transmission to and from the fleet is necessary. BT has recently completed a series of studies to develop an implementation plan for a Transit Data Wireless Network. Current installation to the Hethwood route has been funded by an FY 12 TIGGER grant. The proposed implementation schedule per fiscal year is as follows:

<u>Year</u>	<u>Phase</u>	<u>Project Description</u>
FY2013	Phase 1	Installation of network infrastructure on the Main St. corridor in Fall of 2013.
FY2014	Phase 2	Installation of network infrastructure along University City Boulevard, Patrick Henry and Toms Creek Road is expected to begin in the Spring of 2014.
FY2015-17	Phase 3	Provide for development of network coverage to the routes serving Harding Avenue and Corporate Research Center. Since these routes have little to no traffic signal infrastructure, additional equipment will be required.

Following these three phases, BT will reassess coverage and plan for additional system build out based on future needs and anticipated system development. Infrastructure for the Hethwood area will be provided under the Dynamic Routing and Scheduling Study project.

As with all transit capital projects, if grants are unavailable the project may be deferred.

Project Costs and Planned Financing of Project:

<u>Source of Funds</u>	<u>Total Project Estimate</u>	<u>Prior Allocation</u>	<u>2014/15</u>	<u>2015/16</u>	<u>2016/17</u>	<u>2017/18</u>	<u>2018/19</u>	<u>Current 5-Year Total</u>	<u>Future Years</u>
Federal	\$360,000	\$160,000	\$120,000	\$40,000	\$40,000			\$200,000	Continuing
State	\$47,000	\$22,000	\$15,000	\$5,000	\$5,000			\$25,000	Continuing
Local	\$43,000	\$18,000	\$15,000	\$5,000	\$5,000			\$25,000	Continuing
Total	\$450,000	\$200,000	\$150,000	\$50,000	\$50,000			\$250,000	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Transit

Project Title: Technology Replacement and Expansion Program

Project Location: Blacksburg Transit Facility

Project Funding Source: FTA (federal) / DRPT (state) / Town of Blacksburg & Virginia Tech (local)

Project Status: Continuing

Description and Justification:

In conjunction with the Technology Department, Blacksburg Transit has developed a replacement and expansion program for computers, laptops, software, and infrastructure related technology. The proposed schedule for technology replacement per fiscal year is as follows: FY2015 – two laptops, ten computers and infrastructure upgrades; FY2016 – two laptops, twelve computers, an update assessment for AVL (automatic vehicle location) and MDT (mobile data terminal) systems and infrastructure upgrades; FY2017 – two laptops, twelve computers, AVL and MDT hardware and software updates, and infrastructure upgrades; FY2018 – two laptops, twelve computers, and AVL and MDT hardware and software updates and in FY2019 – two laptops, twelve computers.

Infrastructure includes such components as servers, back-up systems, VOIP equipment, networking devices, cabling, power supply/surge protectors, wiring costs, peripherals, and storage cases.

As with all transit capital projects, if grants are unavailable the project may be deferred.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Federal	\$473,601	\$68,954	\$39,206	\$79,724	\$147,732	\$108,564	\$29,421	\$404,647	Continuing
State	\$60,064	\$9,481	\$4,901	\$9,966	\$18,467	\$13,571	\$3,678	\$50,583	Continuing
Local	\$58,340	\$7,757	\$4,901	\$9,966	\$18,467	\$13,571	\$3,678	\$50,583	Continuing
Total	\$592,005	\$86,192	\$49,008	\$99,656	\$184,666	\$135,706	\$36,777	\$505,813	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Transit

Project Title: Transit Facility Maintenance Cost Program

Project Location: Blacksburg Transit Facility

Project Funding Source: FTA (federal) / DRPT (state) / Town of Blacksburg & Virginia Tech (local)

Project Status: Continuing

Description and Justification:

Each year there are several regular maintenance requirements for the transit facility which are eligible for capital funding. In addition, to maintain a state-of-the-art maintenance facility, a plan has been developed to purchase new and improved equipment. Larger upcoming projects scheduled include: FY2015 – roof refurbishment, drive-thru bus washer replacement and funding for a facility maintenance plan and in FY2016 – installation of a fleet fueling tram system and facility carpet replacement.

The drive-thru bus washer was previously scheduled for replacement in FY2016, however due to an increasing number of mechanical problems the replacement date was advanced to FY2015.

Upon completion of the facility maintenance plan scheduled for FY2015, BT anticipates additional expenditures will be added to FY2017 - FY2019.

As with all transit capital projects, if grants are unavailable the project may be deferred.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Federal	\$1,304,100	\$174,689	\$449,657	\$139,352	\$174,835	\$180,082	\$185,485	\$1,129,411	Continuing
State	\$165,196	\$24,020	\$56,207	\$17,419	\$21,855	\$22,510	\$23,185	\$141,176	Continuing
Local	\$160,828	\$19,652	\$56,207	\$17,419	\$21,855	\$22,510	\$23,185	\$141,176	Continuing
Total	\$1,630,124	\$218,361	\$562,071	\$174,190	\$218,545	\$225,102	\$231,855	\$1,411,763	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Transit

Project Title: Transit Multimodal Facility

Project Location: Perry Street

Project Funding Source: FTA (federal) / DRPT (state) / Virginia Tech (local)

Project Status: Continuing

Description and Justification:

Blacksburg Transit in conjunction with Virginia Tech is currently in the process of developing a transfer facility on Perry Street near the Perry Street parking garage. This facility will become a major hub to enable passengers to easily transfer between most routes in the system. The facility will also support regional transportation connections and alternative transportation options, including space for the Virginia Tech Alternative Transportation Office.

Conceptual site drawings and a Phase I Environmental Site Assessment have been completed. The A&E contractor is currently working on several canopy designs for approval; reviewing intersection designs, designing pedestrian greenways; and conducting floodplain modeling. A&E activities are anticipated to be completed in FY2015. This would allow BT the opportunity to begin Phase I of the construction project in FY 2015 as well: the completion of the west side drop off bus circle and bays. In FY 2016 BT will implement Phase II of the construction project which will include the east side drop off bus circle and bays; the development of a roundabout, and the actual construction of the Multi-Modal Facility.

In FY2004, FY2005 and FY2007 Blacksburg Transit received \$1,000,000 for concept planning and in FY2012 additional funding was received for schematic planning. In FY2015 Blacksburg Transit will request final A&E funding and Phase I construction funding. In FY2016 BT anticipates requesting Phase II construction funding which could be scheduled over multiple years.

As with all transit capital projects, if grants are unavailable the project may be deferred.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Federal	\$28,092,000	\$2,092,000	\$26,000,000					\$26,000,000	Continuing
State	\$3,489,820	\$239,820	\$3,250,000					\$3,250,000	Continuing
Local	\$3,533,180	\$283,180	\$3,250,000					\$3,250,000	Continuing
Total	\$35,115,000	\$2,615,000	\$32,500,000					\$32,500,000	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Transit

Project Title: Regional Transit Facilities

Project Location: New River Valley

Project Funding Source: FTA (federal) / DRPT (state) / New River Valley Regional Partners (local)

Project Status: New

Description and Justification:

The most recent Transit Development Plan (TDP) presented recommendations for future facility improvements at various key locations in the Blacksburg Transit (BT) service area, including several transit hubs in both Blacksburg and Christiansburg.

The transit hubs would provide transfer opportunities and passenger amenities on a localized scale for neighborhoods and communities. These transit hubs could be as simple as well appointed off-street bus pullouts, bus stops with shelters located in areas such as downtown, retail centers, hospitals, educational or cultural institutions and regional government/community centers. Other locations might benefit from somewhat larger facilities that could include bus bays, expanded passenger amenities, information kiosks, park-n-ride, kiss-n-ride and bike facilities.

BT has developed the following plan for its regional transit hubs: FY2015 – design funding for one transit hub at Alumni Mall; FY2016 – construction funding for Alumni Mall; FY2017 – design and construction funding to begin four transit hubs; FY2018 – design and construction funding to begin five transit hubs and in FY2019 – funding to complete the transit hub construction.

Local funding to support capital and operating costs must be identified prior to the project’s launch.

As with all transit capital projects, if grants are unavailable the project may be deferred.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Federal	\$8,400,000		\$40,000	\$800,000	\$1,880,000	\$3,680,000	\$2,000,000	\$8,400,000	Continuing
State	\$1,050,000		\$5,000	\$100,000	\$235,000	\$460,000	\$250,000	\$1,050,000	Continuing
Local	\$1,050,000		\$5,000	\$100,000	\$235,000	\$460,000	\$250,000	\$1,050,000	Continuing
Total	\$10,500,000		\$50,000	\$1,000,000	\$2,350,000	\$4,600,000	\$2,500,000	\$10,500,000	Continuing

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM PROJECT DETAIL SHEET

Department: Public Works
Project Title: Major Equipment Purchases
Project Location: Town Wide

Project Status: Continuing

Description and Justification:

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.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Equipment Replacement Fund	Continuing	Continuing	\$2,313,000	\$1,578,000	\$2,048,000	\$1,815,000	\$2,942,000	\$10,696,000	Continuing
Total	Continuing	Continuing	\$2,313,000	\$1,578,000	\$2,048,000	\$1,815,000	\$2,942,000	\$10,696,000	Continuing

Deferred Replacement MAJOR EQUIPMENT REPLACEMENT PURCHASES FY 2015-2019

Equip. #	Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
Fire Fund							
5004	FD-14	Truck-Equipment	1981	20	150,000	0	2001
			Fund Total:		\$150,000	\$0	
General Fund							
511	MP-104	SUV, Economy (previously FI-101)	2002	7	25,000	0	2009
445	AS-604	Roller-Asphalt	2000	13	30,000	0	2013
	PW-03	Mowers (2)	2007	7	24,000	0	2014
606	IN-102	SUV, Economy 4WD	2004	10	30,000	0	2014
			Fund Total:		\$109,000	\$0	
		Total Deferred Replacement			\$259,000		

FY Replacement 2015 MAJOR EQUIPMENT REPLACEMENT PURCHASES FY 2015-2019

Equip. #	Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
General Fund							
683	BD-301	Van-Cargo E250	2005	10	50,000	5,000	2015
626	BD-401	Truck-Pickup, 1/2 ton 4WD	2005	10	25,000	2,500	2015
	GC-01	Mowers (2) - Golf Course	2000	15	24,000	1,600	2015
	GC-03	Sand Trap Rake	2000	15	21,000	1,400	2015
431	GC-807	Mower-Greens	1998	17	30,000	1,765	2015
460	PI-301	Van, Standard Cargo	2001	14	30,000	2,143	2015
669	PK-403	Truck-Pickup, 1 ton 4WD, util bed	2005	10	50,000	5,000	2015
676	PN-101	SUV, Economy 2WD	2005	10	25,000	2,500	2015
	PW-04	Mowers (2)	2008	7	24,000	3,429	2015
		Fund Total:			\$279,000	\$25,336	
Police Fund							
635	PD-059	SUV, Standard	2005	10	35,000	3,500	2015
798	PD-071	Sedan, Full Size-Marked, w/add ons	2007	8	50,000	6,250	2015
799	PD-072	Sedan, Full Size-Marked, w/add ons	2007	8	50,000	6,250	2015
800	PD-073	Sedan, Full Size-Marked, w/add ons	2007	8	50,000	6,250	2015
801	PD-074	Sedan, Full Size-Marked, w/add ons	2007	8	50,000	6,250	2015
		Fund Total:			\$235,000	\$28,500	
Rescue Fund							
4054	RS-54	Rescue Crash Truck	1992	23	1,000,000	43,478	2015
779	RS-56	Ambulance-Type II	2007	8	215,000	26,875	2015
711	RS-R1	Tahoe 4WD	2005	10	60,000	6,000	2015
712	RS-R2	Tahoe 4WD	2005	10	60,000	6,000	2015
804	RS-R3	Truck-Pickup, 1 ton 4WD w/add ons	2007	8	70,000	8,750	2015
		Fund Total:			\$1,405,000	\$91,103	
Waste Management Fund							
	LB-01	Leaf Boxes (6) - PW	2012	3	24,000	8,000	2015
		Fund Total:			\$24,000	\$8,000	
Water & Sewer Fund							
790	PS-401	Truck-Pickup, 1 ton 4WD, util bed	2007	8	50,000	6,250	2015
806	SE-402	Truck-Pickup, 1 ton 4WD, util bed	2007	8	50,000	6,250	2015
796	UB-402	Truck-Pickup, 1/2 ton 4WD	2007	8	25,000	3,125	2015
787	WA-401	Truck-Pickup, 1 ton 4WD, util bed	2007	8	50,000	6,250	2015
455	WA-703	Loader	2000	15	150,000	10,000	2015
422	WA-704	Unloader	2000	15	45,000	3,000	2015
		Fund Total:			\$370,000	\$34,875	
		Total FY 2015 Replacement			\$2,313,000	\$187,814	

MAJOR EQUIPMENT REPLACEMENT PURCHASES FY 2015-2019

FY Replacement 2016

Equip. #	Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
General Fund							
832	AS-501	Truck-Dump, Tandem	2007	9	130,000	14,444	2016
793	AS-607	Sweeper-Street	2006	10	250,000	25,000	2016
444	AS-701	Backhoe	2001	15	125,000	8,333	2016
850	EG-102	SUV, Economy 2WD	2008	8	25,000	3,125	2016
752	EG-401	Truck-Pickup, 1/2 ton 4WD	2006	10	25,000	2,500	2016
	GC-02	Mowers (2) - Golf Course	2004	12	24,000	2,000	2016
871	GR-402	Truck-Pickup, 1 ton 4WD, util bed	2008	8	50,000	6,250	2016
849	MP-101	SUV, Economy 2WD	2008	8	25,000	3,125	2016
	PW-05	Mowers (2)	2009	7	24,000	3,429	2016
464	SD-701	Backhoe	2001	15	125,000	8,333	2016
583	SD-901	Vacscavator	2004	12	40,000	3,333	2016
			Fund Total:		\$843,000	\$79,873	
Police Fund							
818	PD-075	SUV, Standard	2008	8	35,000	4,375	2016
828	PD-077	Sedan, Full Size	2008	8	30,000	3,750	2016
854	PD-081	Sedan, Full Size-Marked, w/add ons	2008	8	50,000	6,250	2016
855	PD-082	Sedan, Full Size-Marked, w/add ons	2008	8	50,000	6,250	2016
857	PD-083	Sedan, Full Size-Marked, w/add ons	2008	8	50,000	6,250	2016
860	PD-084	Sedan, Full Size-Marked, w/add ons	2008	8	50,000	6,250	2016
			Fund Total:		\$265,000	\$33,125	
Waste Management Fund							
631	WM-902	Leaf Machine	2004	12	25,000	2,083	2016
632	WM-903	Leaf Machine	2004	12	25,000	2,083	2016
			Fund Total:		\$50,000	\$4,167	
Water & Sewer Fund							
802	SE-501	Truck-Dump, 4WD	2007	9	130,000	14,444	2016
436	SE-901	Air Compressor	2001	15	20,000	1,333	2016
523	WA-705	Backhoe, Heavy Track	2001	15	250,000	16,667	2016
428	WA-902	Air Compressor	2001	15	20,000	1,333	2016
			Fund Total:		\$420,000	\$33,778	
		Total FY 2016 Replacement			\$1,578,000	\$150,942	

FY Replacement 2017 MAJOR EQUIPMENT REPLACEMENT PURCHASES FY 2015-2019

Equip. #	Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
CDGB Fund							
791	HD-101	SUV, Economy 2WD	2007	10	25,000	2,500	2017
			Fund Total:		\$25,000	\$2,500	
Fire Fund							
830	FD-09	Pumper	2007	10	700,000	70,000	2017
559	FD-11	Truck-Brush	2002	15	85,000	5,667	2017
			Fund Total:		\$785,000	\$75,667	
General Fund							
775	GC-401	Truck-Pickup, 1 ton 4WD	2007	10	35,000	3,500	2017
667	GC-802	Tractor, 40 HP	2004	13	50,000	3,846	2017
430	GC-805	Mower-Greens	1999	18	35,000	1,944	2017
910	HT-402	Truck-Pickup, 1 ton 4WD, util bed	2009	8	50,000	6,250	2017
911	HT-404	Truck-Pickup, 1 ton 4WD, util bed	2009	8	50,000	6,250	2017
93	MP-402	Truck-Traffic Message Board	2001	16	45,000	2,813	2017
889	PK-809	JD Ballfield Rake 3 Wheel	2009	8	22,000	2,750	2017
	PW-06	Mowers (3)	2010	7	36,000	5,143	2017
788	TE-402	Truck-Pickup, 1 ton 4WD, util bed	2007	10	50,000	5,000	2017
			Fund Total:		\$373,000	\$37,496	
Police Fund							
887	PD-086	SUV, Standard	2009	8	35,000	4,375	2017
890	PD-0901	SUV, Standard	2009	8	35,000	4,375	2017
899	PD-0902	Sedan, Full Size-Marked, w/add ons	2009	8	50,000	6,250	2017
896	PD-0903	SUV, Standard	2009	8	35,000	4,375	2017
900	PD-0904	Sedan, Full Size-Marked, w/add ons	2009	8	50,000	6,250	2017
903	PD-0905	Sedan, Full Size-Marked, w/add ons	2009	8	50,000	6,250	2017
904	PD-0906	Sedan, Full Size-Marked, w/add ons	2009	8	50,000	6,250	2017
905	PD-0907	Sedan-Full Siza-Unmarked w/add ons	2009	8	50,000	6,250	2017
906	PD-0908	Sedan-Full Siza-Unmarked w/add ons	2009	8	50,000	6,250	2017
898	PD-1001	Sedan, Full Size	2009	8	30,000	3,750	2017
			Fund Total:		\$435,000	\$54,375	
Rescue Fund							
946	RS-57	Ambulance, Type II	2009	8	215,000	26,875	2017
			Fund Total:		\$215,000	\$26,875	
Water & Sewer Fund							
776	PS-403	Truck-Pickup, 1 ton 4WD, util bed	2007	10	50,000	5,000	2017
987	SE-904	Sewer Washer	2010	7	40,000	5,714	2017
677	WA-701	Backhoe	2005	12	125,000	10,417	2017
			Fund Total:		\$215,000	\$21,131	
		Total FY 2017 Replacement			\$2,048,000	\$218,044	

FY Replacement 2018 MAJOR EQUIPMENT REPLACEMENT PURCHASES FY 2015-2019

Equip. #	Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
CDGB Fund							
858	HD-201	Sedan, Economy	2008	10	20,000	2,000	2018
			Fund Total:		\$20,000	\$2,000	
Fire Fund							
50010	FD-10	Pumper	1998	20	700,000	35,000	2018
			Fund Total:		\$700,000	\$35,000	
General Fund							
865	BD-403	Truck-Pickup, 1 ton 4WD, util bed	2008	10	50,000	5,000	2018
	GC-04	5 Gang Mower	2000	18	20,000	1,111	2018
847	GS-101	Sedan, Economy	2008	10	20,000	2,000	2018
869	HT-403	Truck-Pickup, F550 4WD	2008	10	50,000	5,000	2018
845	IN-101	SUV, Economy 2WD	2008	10	25,000	2,500	2018
846	IN-103	SUV, Economy 4WD	2008	10	30,000	3,000	2018
844	IN-104	SUV, Economy 4WD	2008	10	30,000	3,000	2018
877	MP-102	SUV, Economy 2WD	2008	10	25,000	2,500	2018
868	PK-401	Truck-Pickup, 1 ton 4WD, util bed	2008	10	50,000	5,000	2018
843	PW-101	Sedan, Economy	2008	10	20,000	2,000	2018
848	RC-101	SUV, Economy 2WD	2008	10	25,000	2,500	2018
859	RC-201	Sedan, Economy	2008	10	20,000	2,000	2018
879	RC-303	Van, 23-Passenger	2008	10	80,000	8,000	2018
878	RC-306	Van, Mini Passenger	2008	10	30,000	3,000	2018
			Fund Total:		\$475,000	\$46,611	
Police Fund							
973	PD-1003	Sedan, Full Size-Marked, w/add ons	2010	8	50,000	6,250	2018
974	PD-1004	Sedan, Full Size-Marked, w/add ons	2010	8	50,000	6,250	2018
975	PD-1005	Sedan, Full Size-Marked, w/add ons	2010	8	50,000	6,250	2018
988	PD-1006	Sedan, Full Size-Marked, w/add ons	2010	8	50,000	6,250	2018
989	PD-1007	Sedan, Full Size-Marked, w/add ons	2010	8	50,000	6,250	2018
990	PD-1008	Sedan, Full Size-Marked, w/add ons	2010	8	50,000	6,250	2018
991	PD-1009	Sedan, Full Size-Marked, w/add ons	2010	8	50,000	6,250	2018
			Fund Total:		\$350,000	\$43,750	

MAJOR EQUIPMENT REPLACEMENT PURCHASES FY 2015-2019
 FY Replacement 2018 - continued

continued

Equip. #	Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
Rescue Fund							
852	RS-C3	Suburban, 4WD	2008	10	75,000	7,500	2018
			Fund Total:		\$75,000	\$7,500	
Waste Management Fund							
773	WM-904	Leaf Machine	2006	12	25,000	2,083	2018
			Fund Total:		\$25,000	\$2,083	
Water & Sewer Fund							
866	PS-402	Truck-Pickup, 1 ton 4WD, util bed	2008	10	50,000	5,000	2018
867	SE-403	Truck-Pickup, 1 ton 4WD, util bed	2008	10	50,000	5,000	2018
864	SE-702	Excavator, Mini with Trailer	2008	10	70,000	7,000	2018
			Fund Total:		\$170,000	\$17,000	
Total FY 2018 Replacement					\$1,815,000	\$153,944	

FY Replacement 2019 MAJOR EQUIPMENT REPLACEMENT PURCHASES FY 2015-2019

Equip. #	Ref. #	Description	FY Acquired	Life	Replacement Cost	Depreciation	Recommended Replacement
Fire Fund							
402	FD-02	Truck-Ladder-Platform	1999	20	1,200,000	60,000	2019
891	FD-28	Sedan, Full Size	2009	10	35,000	3,500	2019
914	FD-29	SUV, Full Size	2009	10	62,000	6,200	2019
			Fund Total:		\$1,297,000	\$69,700	
General Fund							
955	AS-502	Truck-Dump, Standard	2010	9	120,000	13,333	2019
960	AS-503	Truck-Dump, 4WD	2010	9	130,000	14,444	2019
894	BD-405	Truck-Pickup, 1 ton 4WD, util bed	2009	10	50,000	5,000	2019
446	EO-901	Trailer, Low Boy	2001	18	45,000	2,500	2019
750	GC-810	Sprayer	2006	13	30,000	2,308	2019
777	GC-901	Leaf Vac w/Yard Hopper	2001	18	30,000	1,667	2019
	PW-01	Mowers (2)	2012	7	24,000	3,429	2019
895	PW-102	Sedan, Economy	2009	10	20,000	2,000	2019
957	SD-501	Truck-Dump, Standard	2010	9	120,000	13,333	2019
959	SD-502	Truck-Dump, Standard	2010	9	120,000	13,333	2019
953	SW-501	Truck-Dump, Standard	2010	9	120,000	13,333	2019
1029	TE-901	Message Board, Solar Powered	2012	7	20,000	2,857	2019
1013	TM-101	SUV, Economy 4WD	2012	7	30,000	4,286	2019
			Fund Total:		\$859,000	\$91,824	
Police Fund							
1009	PD-1101	Sedan, Full Size-Marked, w/add ons	2011	8	50,000	6,250	2019
1010	PD-1102	Sedan, Full Size-Marked, w/add ons	2011	8	50,000	6,250	2019
1012	PD-1104	Sedan, Full Size-Marked, w/add ons	2011	8	50,000	6,250	2019
1014	PD-1105	Sedan, Full Size	2011	8	30,000	3,750	2019
			Fund Total:		\$180,000	\$22,500	
Waste Management Fund							
958	WM-501	Truck-Dump, Standard	2010	9	120,000	13,333	2019
952	WM-502	Truck-Dump, Standard	2010	9	120,000	13,333	2019
			Fund Total:		\$240,000	\$26,667	
Water & Sewer Fund							
897	SE-404	Truck-Pickup, 1 ton 4WD, util bed	2009	10	50,000	5,000	2019
822	SE-701	Backhoe	2007	12	125,000	10,417	2019
954	WA-501	Truck-Dump, Standard	2010	9	120,000	13,333	2019
579	WA-601	Asphalt Milling Machine	2004	15	71,000	4,733	2019
			Fund Total:		\$366,000	\$33,483	
		Total FY 2019 Replacement			\$2,942,000	\$244,174	

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM PROJECT DETAIL SHEET

Department: Public Works
Project Title: Major Building System Replacement
Project Location: Town Wide

Project Status: In Progress

Description and Justification:

This project provides for the systematic replacement of major building systems equipment at the end of their useful life. Funds will be set aside each year based on the projected replacement cost and useful life just like we do for vehicles and equipment. The building systems listed on the attached schedule are only those systems due for replacement in the next 5 years. The implementation of this building system replacement program will eliminate the need to use operational funds to replace system equipment, which fails unexpectedly during the fiscal year.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Building Depreciation Fund	Continuing	Continuing	\$129,530	\$60,950	\$39,550	\$445,450	\$41,850	\$713,330	.
Total	Continuing	Continuing	\$129,530	\$60,950	\$39,550	\$445,450	\$41,850	\$713,330	

Major Building System Replacement, FY 2014/15 to 2018/19

FY to be Replaced: 2015

<u>Location</u>	<u>Description</u>	<u>Installation Date</u>	<u>Life</u>	<u>Replacement Cost</u>	<u>Depreciation</u>
Aquatic Center	Heat/cool roof top package unit - Lobby Area	1993	20	\$11,000	\$550
Cementery	Oil Fired Furnance	1998	17	\$5,000	\$294
Municipal Building	A/C split system 1st fl Conf. Rm.	2001	15	\$4,000	\$267
Parks & Rec Admin	3 forced air furnaces	1998	20	\$9,900	\$495
Parks & Rec Admin	3 split a/c systems	1998	20	\$16,500	\$825
Police Department	1 pneumatic temperature control system	1982	32	\$16,500	\$516
Police Department	2 a/c condenser split systems	1998	16	\$8,800	\$550
Police Department	2 custom built air handlers w/ hot water	1982	32	\$12,000	\$375
Police Department	1 Gas fired boiler	1982	33	\$27,500	\$833
Purchasing Warehouse	Horizontal Furnace forced gas	1995	20	\$1,650	\$83
Purchasing Warehouse	1 split a/c system	2000	15	\$8,800	\$587
Purchasing Warehouse	Exhaust Fan warehouse area	1997	18	\$880	\$49
Purchasing Warehouse	a/c window - wall	2006	9	\$600	\$67
Purchasing Warehouse	A/C window (controlled temp rm)	2006	10	\$2,000	\$200
PW Storage Building	1 gas fired unit heat - landscape shed	2000	15	\$3,200	\$213
Thomas Conner	2 a/c units window	2002	15	\$1,200	\$80
FISCAL YEAR TOTAL:				\$129,530	\$5,983

FY to be Replaced: 2016

<u>Location</u>	<u>Description</u>	<u>Installation Date</u>	<u>Life</u>	<u>Replacement Cost</u>	<u>Depreciation</u>
Municipal Building	1 rooftop package w/ gas heat council chambers	1996	20	\$22,000	\$1,100
Municipal Building	1 roof top a/c unit - council chambers	1996	20	\$4,000	\$200
Municipal Building	1 A/C condenser split system court offices	2001	15	\$7,700	\$513

Municipal Building	indoor air handler - court offices	1992	24	\$5,000	\$208
Municipal Building	indoor duct heater - court offices	1992	24	\$9,000	\$375
Municipal Building	control system - court offices	1992	24	\$5,000	\$208
PW Admin Building	1 forced air gas fired furnace - lunchroom	2000	16	\$3,300	\$206
PW Admin Building	1 split a/c system-lunchroom	2000	16	\$4,950	\$309
				\$60,950	\$3,121

FY to be Replaced: 2017

Police Department	1 envirotech zone thermostat system	1992	25	\$8,800	\$352
Police Comm Bldg	4 a/c units w/ electric heat	1997	20	\$24,000	\$1,200
PW Town Garage	5 infrared heating units	1997	20	\$2,750	\$138
				\$35,550	\$1,690

FY to be Replaced: 2018

Municipal Building	Packaged Terminal heat Pump break room 1st floor	2008	10	\$1,500	\$150
Aquatic Center	1 gas fired boiler	1993	25	\$75,000	\$3,000
Aquatic Center	Pool Pack-Pool Area	2003	15	\$330,000	\$22,000
Blacksburg Motor Company	4 Building Sump Pumps	2008	10	\$4,200	\$420
PW Admin Building	1 forced air gas horizontal furnace - lunch room	1998	20	\$3,300	\$165
PW Admin Building	1 split a/c system - lunch room	1998	20	\$4,950	\$248
Recreation Center	2 roof top package unit gas -art room & senior	1998	20	\$16,000	\$800
Fire House III	1 Compressor/Dryer	2008	10	\$10,500	\$1,050
				\$445,450	\$27,833

FY to be Replaced: 2019

Police Dept. Building	1 roof top unit w gas heat - jail	1999	20	\$12,000	\$600
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Police Dept. Storage Building	1 gas fired Furance	1999	20	\$3,850	\$193
PW Purchasing Warehouse bldg	1 small unit gas fired hanging heater - meter rm	1999	20	\$4,000	\$200
Thomas Conner House	2 a/c split systems w/gas furnance	1994	25	\$22,000	\$880
				\$41,850	\$1,873
			5 yr tot:	\$713,330	\$40,498

BLACKSBURG CAPITAL IMPROVEMENT PROGRAM

PROJECT DETAIL SHEET

Department: Public Works

Project Title: Tandem Dump Truck

Project Location: Town Wide

Project Status: New

Description and Justification:

This project will fund a replacement Tandem dump truck that is a critical piece of equipment for fall and spring pickups, leaf collection, snow removal and emergency cleanup projects. The current truck utilized by staff is a departmental hand-me-down that is 18+ years old, showing signs of extensive usage and is in poor mechanical condition. There are no existing tandem dump trucks available in the fleet to be handed-down to replace this aged truck that requires continual maintenance and has reduced reliability to perform necessary functions.

Project Costs and Planned Financing of Project:

Source of Funds	Total Project Estimate	Prior Allocation	2014/15	2015/16	2016/17	2017/18	2018/19	Current 5-Year Total	Future Years
Waste Mgmt.	\$118,000		\$118,000					\$118,000	
Total	\$118,000		\$118,000					\$118,000	